

PA/SI/FFR Package Contents Checklist

Site Name: Avalos Incorporated EPA ID#: NV0000735712

Location: Yerington, Lyon County

- ☒ NDEP cover page memo to EPA/Jeff Inglis from report preparer with initials of preparer and supervisor.
- ☒ Cover page of report
- ☒ Table of Contents
- ☒ Report body (Type: PA X SI___ FFR___ Other_____))
- ☒ REMEDIAL SITE ASSESSMENT DECISION form
- ☒ Appendix A: Contact Logs & Report
- ☒ Appendix B: Site Reconnaissance Interview and Observations Report
- ☒ Appendix C: Photo Documentation *EPA has photo's submitted 9/23/94 have enclosed photo-copies*
- ☒ Appendix D: Latitude & Longitude Calculation Worksheet
- ☒ Appendix E: Preliminary Assessment Form (for Preliminary Assessment reports **ONLY**) or Sampling Plan (for Site Inspection reports with sampling **ONLY**)
- ☒ Supporting Documentation
- ☒ Hazard Ranking System (HRS) calculation worksheet *-Revised 10/2/95*
- ☒ HRS Rationale sheet

Report Preparer Signature Mary Meyer

Date 10/3/95

Supervisor Signature Jeff Inglis

Date 10/3/95

MA Verification Raven Blessing

Date 10/4/95

PETER G. MORROS, Director

L.H. DODGION, Administrator

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Administration
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Water Pollution Control
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Carson City, NV 89710

STATE OF NEVADA

BOB MILLER
Governor



DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL PROTECTION

Capitol Complex
Carson City, Nevada 89710

Waste Management
Corrective Actions
Federal Facilities
Facsimile 885-0868

Air Quality
Water Quality Planning
Facsimile 687-6396

Located at:
333 W. Nye Lane
Carson City, NV 89710

October 3, 1995

Jeffrey Inglis (H-8-1)
Nevada Project Officer
Site Assessment Cooperative Agreement
U.S. Environmental Protection Agency, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Certified Mail
Return Receipt Requested

RE: Revised Preliminary Assessment of Avalos Incorporated

Dear Mr. Inglis:

Pursuant to our PA/SI Cooperative Agreement, the Nevada Division of Environmental Protection is pleased to submit the enclosed Revised Preliminary Assessment and revised PA scoresheet for Avalos Incorporated. Comment received from Bechtel Environmental, Inc. have been incorporated into the revised report and scoresheet.

We look forward to your final review of this document.

Sincerely,

A handwritten signature in cursive script that reads "Marilyn Meyer".

Marilyn Meyer
Superfund Branch
Bureau of Corrective Actions

Enclosure

Certified Mail #P 220 019 782

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DEPARTMENT OF CONSERVATION AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL PROTECTION

Capitol Complex
Carson City, Nevada 89710

MEMORANDUM

TO: Jeffrey Inglis, EPA Region IX
THRU: Quint Aninao, Supervisor NDEP
FROM: Marilyn Meyer, Superfund Branch
SUBJECT: Final Report - Revised
DATE: October 2, 1995

Attached is the following completed document:

PA X SI Other

Site Name: Avalos Incorporated
EPA ID #: NV00007355712 5134
City/County: Yerington, Lyon County

For EPA Use Only

EPA Further Action Determination: NFA PA = C2101
Lead Agency: S
Sign Off Date: FEB 2, 1996
Initials of Work Assignment Manager: JL
Document Screening Coordinator: Jm 2/15/96
Chief, Site Evaluation and Grants Section: Patsy Cunningham
Planning and Assessment
Please archive in CERCLIS

VT
2/29/96

Site Name: Avalos Incorporated EPA ID#: NV0000735712

City: Yerington County or Parish: Lyon State: Nevada

Refer to Report Dated: _____ Report Type: PA

Report developed by: Marilyn Meyer

1. Further Remedial Site Assessment under CERCLA (Superfund) is not required because:

1a.	Site does not qualify for further remedial site assessment under CERCLA (Site Evaluation Accomplished - SEA)	1b.	Site may qualify for further action, but is deferred to:	RCRA	NRC
-----	--	-----	--	------	-----

2. Further Assessment Needed Under CERCLA:

2a.	(Optional) Priority:	Higher	Lower
-----	----------------------	--------	-------

2b.	Activity	PA	ESI
	Type:	SI	HRS evaluation
	Other:		

DISCUSSION/RATIONALE: _____

Report Reviewed
and Approved by: _____ Signature: _____ Date: _____

Site Decision
Made by: JEFF INGLIS Signature: [Signature] Date: 2/21/96

PRELIMINARY ASSESSMENT REPORT
Avalos Incorporated
(EPA ID NO. NV0000735712)

Prepared for:

U.S. Environmental Protection Agency
Region IX
75 Hawthorne Street
San Francisco, CA 94105

23 September 1994

Submitted To: Jeffrey Inglis
Nevada Project Officer
EPA Region IX

Date

Prepared By: Marilyn Meyer
Marilyn Meyer
Environmental Management Specialist III
Superfund Branch
Bureau of Corrective Actions

Date

9/23/94
10/2/95

Through: Quint Aninao
Quint Aninao, Supervisor
Superfund Branch
Bureau of Corrective Actions

Date

9/23/94

PRELIMINARY ASSESSMENT

Site: Avalos Incorporated
136 HWY 339
Yerington, NV 89447

Site EPA ID Number: NV0000735712

Submitted to: Jeffrey Inglis
Nevada Project Officer
EPA Region IX

Date: 2 October 1995

Through: Quint Aninao, Supervisor
Superfund Branch
Bureau of Corrective Actions

Prepared by: Marilyn Meyer
Environmental Management Specialist III
Superfund Branch
Bureau of Corrective Actions

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REMEDIAL SITE ASSESSMENT DECISION - EPA REGION IX

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1.0 INTRODUCTION

The U.S. Environmental Protection Agency (EPA), Region IX, under the authority of the Comprehensive Environmental Response, Compensation, and Liability Act of 1980 (CERCLA) and the Superfund Amendments and Reauthorization Act of 1986 (SARA), has tasked Nevada Division of Environmental Protection (NDEP) to conduct a preliminary assessment (PA) of Avalos Incorporated (Avalos) site in Yerington, Lyon County, Nevada.

The purpose of the PA is to review existing information on the site and its environs to assess the threat(s), if any, posed to public health, welfare, or the environment and to determine if further investigation under CERCLA/SARA is warranted. The scope of the PA includes the review of information available from federal, state, and local agencies and performance of an onsite reconnaissance visit.

Using these sources of existing information, the site is then evaluated using the EPA's Hazard Ranking System (HRS) criteria to assess the relative threat associated with actual or potential releases of hazardous substances at the site. The HRS has been adopted by the EPA to help set priorities for further evaluation and eventual remedial action at hazardous waste sites. The HRS is the primary method of determining a site's eligibility for placement on the National Priorities List (NPL). The NPL identifies sites at which the EPA may conduct remedial response actions. This report summarizes the findings of these preliminary investigative activities.

The Avalos site was identified as a potential hazardous waste site and entered into the Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) on September 19, 1994 (NV0000735712). The site was entered into CERCLIS based on a complaint by a concerned citizen.

1.1 Apparent Problem

The apparent problems at the site are as follows:

- On May 10, 1994 the RCRA Waste Branch received a complaint from the Lyon County Sheriff's Department regarding the discharge of a free orange liquid into an unlined evaporation pond approximately 100' X 30' in size with an estimated volume of 2,000 gallons of unknown substance.¹
- An inspection was performed by the RCRA Enforcement Branch due to the complaint from the Lyon County Sheriff's Department. Soils samples were taken at this time. An evaporation pond, and concrete pad holding 6 Drums (4-55 gallon drums of waste oil, 2-55 gallon drums of epoxy resin) and at least one large debris pile were noted on site.^{1,2}
- On May 6, 1994 a search warrant was obtained and a search of the premises was conducted by the Lyon County Sheriff's

Department. The facility was operating without a business license, building permit, EPA ID number, certificate of occupancy, special use permits, and operating under a another parties name. A cease and desist order was issued and a warrant for the arrest of the owner/operator was issued.¹

- On August 8, 1994 the Department of Wildlife was informed by a second citizen's complaint addressing the excavation and burial of paint/solvent buckets/barrels on the Avalos premises on a Saturday by a front end loader.¹

2.0 SITE DESCRIPTION

2.1 Site Location

The Avalos site is located at 136 HWY 339, in Yerington, Nevada. The geographic coordinates for the site are 38°58'34.43" N latitude and 119°11'03.20" W longitude (Township 13 North, Range 25 East, Section 21, Mount Diablo Baseline and Meridian, Yerington, 7.5-minute quadrangle).³ The location of the site is shown in Figure 2-1.

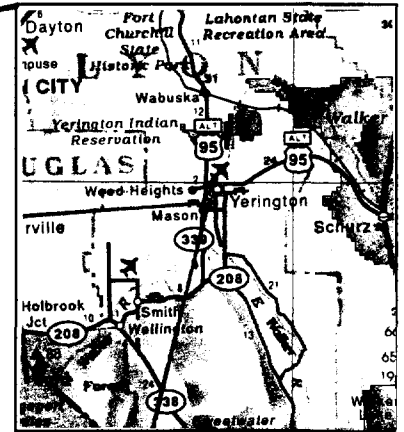
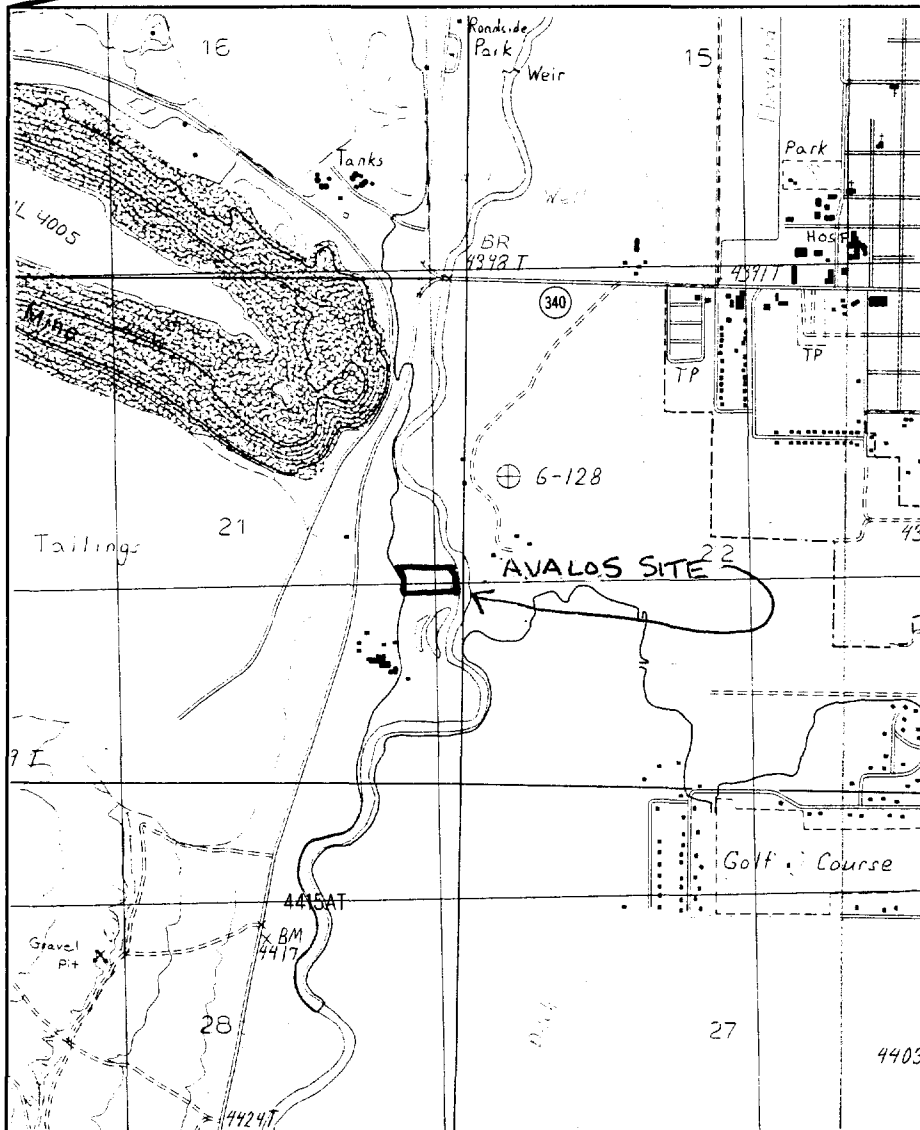
2.2 Site Description

The site occupies 10.0 acres in an industrial, rural area. The site is bordered on the north by a fence located on the property line and the Marathon Equipment facility, on the east by the Walker River, on the south by a vacant lot and on the west by State Route 339.^{4,5}

The site currently consists of a 10.0 acre parcel housing a steel building approximately 60' x 100' in size, and a concrete pad approximately 60' x 60' in size, located directly north of the steel building. The concrete area appears to be used to store drums (6-55 gallon) and boxes of polymer plastic chips, sprinkler molds and various other components used in the manufacture of plastic sprinkler heads. Several stacks of wooden pallets on soil were noted east of the building. The remainder of the property is barren soil. A large debris pile was noted during NDEP, RCRA inspection in May, 1994 in the southeast corner of the property, which appeared to contain solvent and paint buckets, barrels, pallets, and other household wastes, however on the date of Superfund field inspection the debris pile had been removed. The facility is fenced on the north side only. The facility was occupied from 1992 to May 1994, and to date is neither occupied nor operating. The site layout is shown in Figure 2-2.^{1,2,4,5}

2.3 Operational History

Avalos was owned and operated by Hans Schnitzler from 1992-1994. Complete information regarding the ownership and operations on site prior to 1992 was not available at the time of the PA.

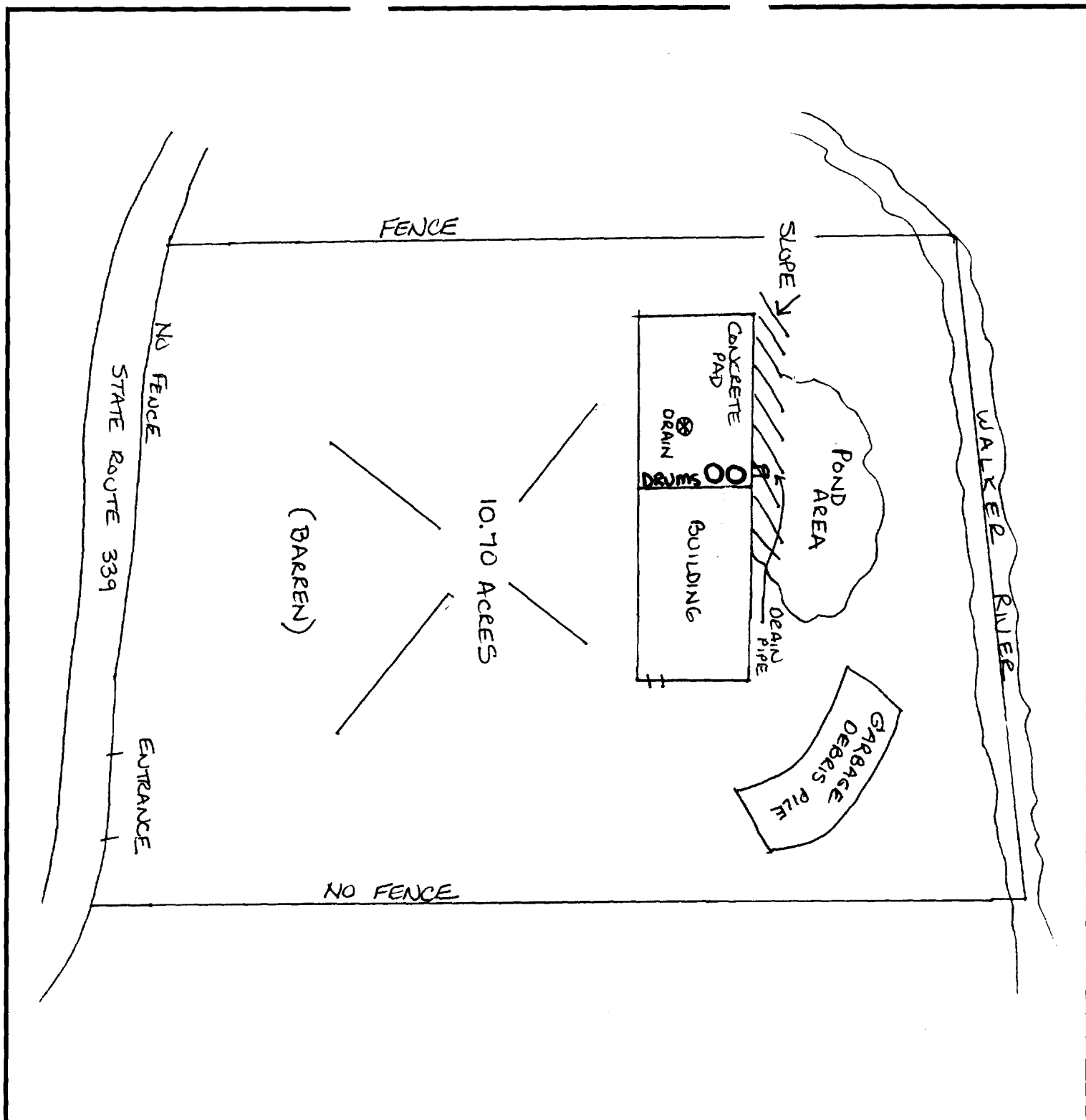


Source: U.S.G.S., Yerington Quadrangle, Nevada - Lyon County
7.5 Minute Series (Topographic), Provisional Ed. 1986.

Scale 1" = 2,000'

Site Location Map Avalos

Figure 2-1



Source: File on record with NDEP, RCRA Branch.

1N

Not to Scale

Facility Layout Map Avalos

Figure 2-2

Operations from 1992 to May of 1994 consisted of the manufacture of large plastic sprinkler heads for irrigation systems. This process includes plastics poured into molds using various resins and solvents. Chemicals noted on the premises included xylene, cathane, acetone, waster oil, epoxy resins, transmission fluid, lubricants, paint thinner, paint lacquers, cutting oils, and ABS resin chips. Further information regarding activities performed on site prior to 1992 was not available at the time of the PA.¹

No hazardous wastes were generated by Avalos, however waste oils, and epoxy resins have been stored on site. The site also contained an unlined evaporation pond containing an unknown free liquid. Drums (6-55 gallon) and boxes of plastic chips have also been stored on a concrete pad behind the facility. The facility is a non-generator. The unlined evaporation pond was estimated to be an area approximately 100' X 30' in size, that impounded approximately 2,000 gallons of unknown liquid substance. Spent chemicals may have consisted of toluene, epoxy resins, waste oils, paints etc.^{1,2,4}

In May, 1994 NDEP, Resource Conservation and Recovery Act (RCRA) Hazardous Waste Branch, Corey Kerns and Robert Speck, conducted a sampling to include 5 soil samples (Sample # 1,2,3,8,9) from various places near the concrete pad and unlined evaporation pond area (See Sampling log for locations). These samples were sent to Alpha Analytical Incorporated in Sparks, Nevada and were analyzed for 25 organics. The results revealed non-detect levels for all 25 organics for samples 1,3,8 and 9. However sample #2 revealed a hit of 1200 ppb (3 times above background) for toluene.^{1,2,4}

2.4 Regulatory Involvement

2.4.1 Agency 1

U.S. Environmental Protection Agency (EPA)

The Avalos site is not listed in the Resource Conservation and Recovery Information System (RCRIS) database, as of July 14, 1994, as a large quantity or small quantity hazardous waste generator.¹

2.4.2 Agency 2

Nevada Division of Environmental Protection (NDEP)

The NDEP RCRA Enforcement Branch is involved with routine inspection oversight of the facility and was responsible for a sampling event at the facility in 1994.¹

Nevada State Fire Marshal

The State Fire Marshal's Office oversees the facility's SARA Title III reporting requirements for hazardous substances used at the facility.¹

Local Lyon County Fire Department

Lyon County oversees any special use permits.¹

3.0 HAZARD RANKING SYSTEM FACTORS

3.1 Sources of Contamination

Potential hazardous substance sources associated with the site include:

- Unlined evaporation pond, 100' X 30' in area, at one time containing approximately 2000 gallons of an unknown free liquid, spent solvents, paints, and various chemicals used in the plastics process. Samples revealed 1200 ppb toluene from pond area.^{1,2,4}
- Contaminated soils in and around pond area and soils located under the drain area inset in concrete pad.^{1,2,4}
- Dibris pile.

3.2 Groundwater Pathway

Groundwater beneath the site is first encountered at a depth of approximately 50-60 feet below ground surface (bgs).^{6,8} Geologic materials in the unsaturated zone between ground surface and the aquifer consist predominantly of sands and clay.⁶ There is one drinking water well within 750 feet of the site, which and serves one person.⁸ In addition, 136 drinking water wells are within 4 miles of the site serving approximately 4,129 people.^{8,9}

3.2.1 Hydrogeological Setting.

The site is located in the west-central portion of Mason Valley, a structural trough composed of up to 1,000 feet of unconsolidated valley-fill deposits overlying sedimentary, volcanic, granite, and metamorphic rocks of little or no permeability. The valley-fill deposits consist of an interbedded sequence of sand, gravel, cobbles, boulders, silt, and gravelly and sandy clay.⁶

Groundwater occurs in the valley-fill deposits of Pleistocene and Holocene ages, which comprise four geologic units: younger alluvium, younger fan deposits, older alluvium, and older fan deposits. The younger alluvium and the younger fan deposits occur from zero to approximately 100 feet bgs. The younger alluvium is highly permeable and is a good aquifer. The older fan deposits occur from zero to around 700 feet bgs, while the older alluvium occurs from zero to around 500 feet bgs. The younger fan deposits and the older fan deposits are of low permeability. The older alluvium constitutes the largest and most productive aquifer in the area.⁶

The site is located in the confined zone of the valley, approximately 3.5 miles east of the Singatse Range³, which is a north-northwest trending fault block. The water table in this area is first detected beneath the site at a depth of 20-50 feet

bgs., depending on proximity to the Walker River.⁸ The shallow, unconfined groundwater moves generally northwestward, while groundwater in the lower aquifer generally flows in a northerly direction.⁶ The net precipitation of the area is 1.3356 inches.⁷

3.2.2 *Groundwater Targets.*

Groundwater provides 100% of the area's residential water, serving approximately 4,129 people.^{7,9,10} Groundwater is provided by domestic wells and municipal wells.⁹ There are several municipal systems in the area: City of Yerington, Mason Water Company, and Weed Heights Development. These municipal wells are more than 70 feet bgs. None of the municipal systems are operated as a blended system.⁷

The nearest drinking water well is a domestic well #16325. This well is owned and operated by FX-6 Personal Privacy and is located 750 feet Southeast of the site.⁸

The City of Yerington, operates a non-blended drinking water system that consists of 3 wells within 4 miles of the site, that serve approximately 2,280 people. Currently, the City of Yerington obtains all of its drinking water from groundwater. No well contributes greater than 40 percent to the system.⁷

The Weed Heights Municipal system operates a non-blended drinking water system that consists of 1 well within 4 miles of the site that serves approximately 622 people.⁷

The Mason Valley Municipal system operated a non-blended drinking water system that consists of 3 wells within 4 miles of the site that serves approximately 1,044 people. No well contributes greater than 40 percent to the system.⁷

The total target population served by drinking water wells within the 4-mile radius of the site is estimated to be 4,129. They are further broken down into each distance category as shown in Table 4-1.^{8,9,10}

3.2.3 *Groundwater Pathway Conclusion.*

Soil sampling data collected by NDEP, RCRA Enforcement Branch confirmed a release of toluene at a level of 1200 ppb in the unlined evaporation pond area.¹² This hazardous substance was detected in a soil sample at a concentration that is at least three times greater than the concentration detected in a background sample. Therefore toluene is present in soils onsite and a high water table exists beneath the site with permeable geologic materials present from 0-60 feet bgs.

Table 3-1

Population Served by Groundwater

Water Purveyor		# of Wells in Each Category	Total Population Served by Wells for Each Radius
Public Drinking Water Well Locations*	0- $\frac{1}{4}$	DOM:3 IRR: MUN: QM: REC: STK:	7
	$\frac{1}{4}$ - $\frac{1}{2}$	DOM:3 IRR: MUN: QM: REC: STK:	7
	$\frac{1}{2}$ -1	DOM:11 IRR: MUN:1 QM:2 REC: STK:	374
	1-2	DOM:17 IRR: MUN:7 QM: REC: STK:	3017
	2-3	DOM:49 IRR: MUN: QM: REC: STK:	621
	3-4	DOM:43 IRR: MUN: QM: REC: STK:	103
Total No. of Wells within the 4-mile radius		136	4,129
No. of Surface Water Intakes		None	
Any Source >40% of Supply?		None	
References		NDWR	

* Indicates the number of wells within each distance category, measured in miles from the site.

DOM Domestic

IRR Irrigation

MUN Municipal

QM Quasi-municipal

REC Recreational

STK Stock Watering

4-mile average population per household = 2.4

The distance to the nearest drinking water well is 750.0 feet.⁸ The number of wells within 4 miles of the site is 136 and the total population served by systems that have wells within the 4 miles of the site is 4,129.^{8,9,10}

3.3 Surface Water Pathway Conclusions

Surface runoff to the Walker River, located approximately 750-100 will not occur. This is because drainage from the site enters a bermed, unlined pond area.⁴ The site is not in a floodplain.¹¹

No drinking water intakes are associated with the Walker River 15 miles downstream of the site.⁹ There are no sensitive environments associated with the site.¹²

3.4 Soil Exposure and Air Pathway Conclusions.

There are no schools or daycare centers within 200 feet of the contamination associated with the site.⁴ The nearest residence is less than 750 feet from the western site boundary.⁸ There are no people living on site.⁴

4.0 EMERGENCY RESPONSE CONSIDERATIONS

The National Contingency Plan [40 CFR 300.415 (b) (2)] authorizes the EPA to consider emergency response actions at those sites which pose an imminent threat to human health or the environment. For the following reasons a referral to Region IX's Emergency Response Section does not appear to be necessary:

- Currently, the site does not generate, receive, or store hazardous waste.
- The site is not operational at the time of this report preparation.

5.0 SUMMARY

Avalos Incorporated is located on 136 HWY 339, Yerington, Lyon County, Nevada. The site occupies 10.0 acres in an industrial, rural area. The site is bordered on the north by a fence located on the property line and the Marathon Equipment facility, on the east by the Walker River, on the south by a vacant lot and on the west by State Route 339. The site consists of one steel building approximately 60 x 100 feet in size, a concrete pad storage area approximately 60'x 60' in size, an unlined evaporation pond approximately 100' x 30' feet in size. A large debris pile was also noted behind the steel building.

Groundwater pathway indicates Toluene is present in soils onsite and a high water table exists beneath the site with permeable geologic materials present from 0-60 feet bgs. Surface water pathway indicates runoff to the Walker River, located approximately 750-100 will not occur. This is because drainage from the site enters a bermed, unlined pond area. Soil and Air

pathways indicated there are no schools or daycare centers within 200 feet of the contamination associated with the site. The nearest residence is less than 750 feet from the western site boundary.

The operations at the site from 1992 to May, 1994 have been the manufacture of large plastic sprinkler heads for irrigation systems. Hazardous substances used on site were xylene, cathane, acetone, waster oil, epoxy resins, transmission fluid, lubricants, paint thinner, paint lacquers, cutting oil, and ABS resin chips. Waste produced on site was waste oil and epoxy resins. Further information regarding activities performed on site prior to 1992 were not available at the time of the PA.

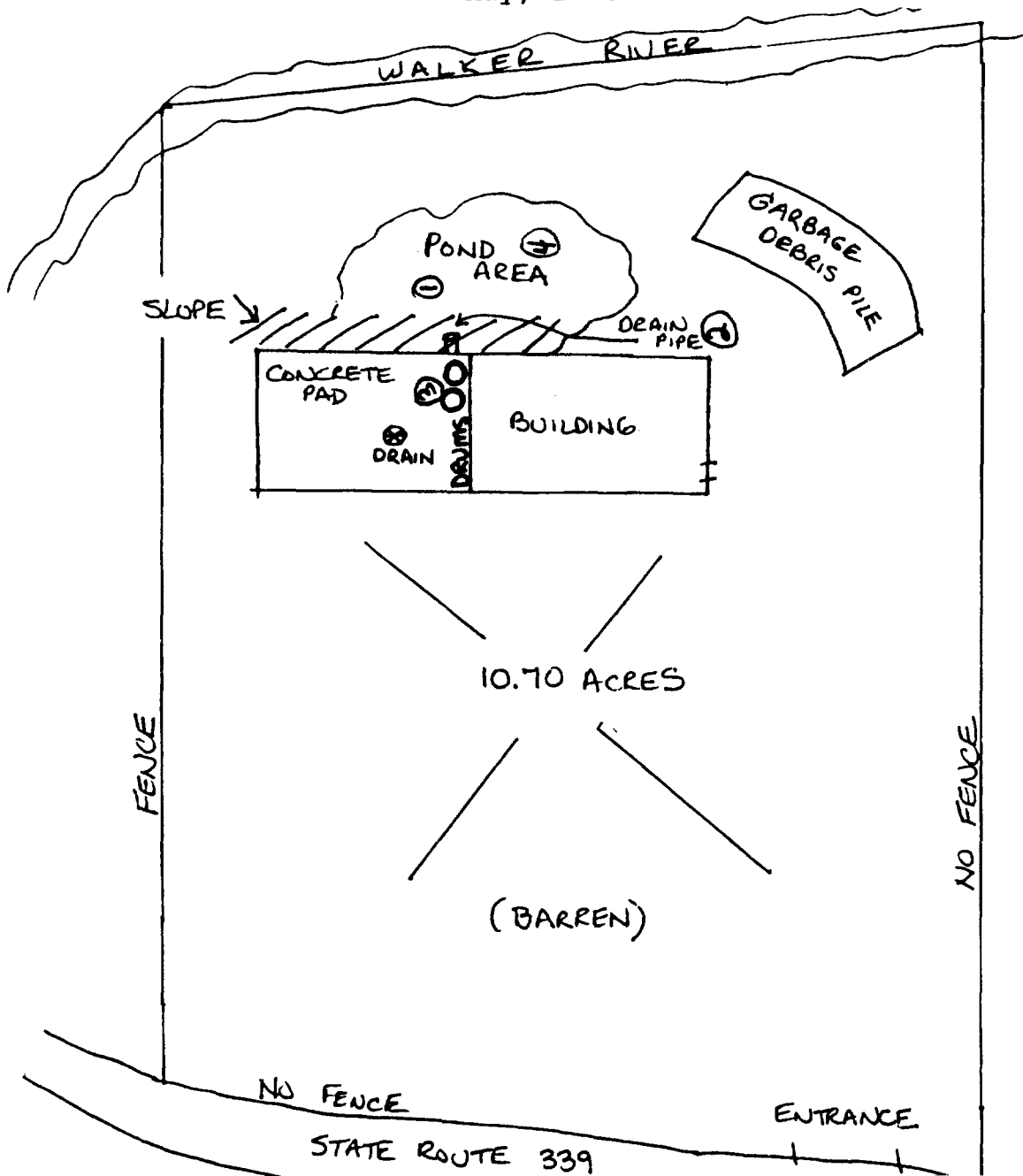
The Nevada Division of Environmental Protection, Waste Management Bureau oversees regulatory activities at the site. The State Fire Marshal's Office has oversight of the Superfund Amendments and Reauthorization Act (SARA) Title III chemicals reporting requirement. Lyon County is involved with issuance of any special use permits needed for the site.

Toluene has been detected in soils, however any natural flows of stormwater over the contaminated soil entered a bermed pond, and did not flow off site. This practice occured during operations from 1992-1994. A release to groundwater is unlikely.

The following pertinent Hazard Ranking System factors are associated with the site:

- The nearest drinking water well is 750.0 feet from the site, and it serves one residence.
- No drinking water intakes, or sensitive environments are within 15 miles downstream of the site.
- No residences, schools, or daycare centers are on the same property and within 200 feet of contamination associated with the site.
- No workers are present on site.
- The nearest drinking water well is hydraulically upgradient of the site and the population served by the drinking water wells within 4 miles of the site is limited to approximately 4,000 people
- Stormwater runoff flows into an onsite, bermed pond, rather than flowing off site. In addition, the site is not in a floodplain.

Sampling Log Table 3-2
Samples taken by NDEP: Robert Speck and Corey Kerns
May, 1994



Sample 1: Soil taken in pond area approximately 4-8 1/2" below the surface

Sample 2: Soil taken from under drain pipe, smelled like Toluene.

Sample 3: Soil taken from open bucket by drums on concrete pad.

Sample 4: Soil taken by Sheriff's Department from the pond when there was approximately 6" of pooled orange free liquid present.

6.0 REFERENCES

1. NDEP Bureau of Waste Management, RCRA Correspondence and Enforcement File on Avalos, 1992 to present, consisting of one working file located in the RCRA file cabinet under "Avalos".
2. Kerns, Corey-Lynn; Speck, Robert, NDEP Bureau of Waste Management, and Marilyn Meyer, NDEP PA/SI, personal communication regarding the Avalos site and sampling history, July-August, 1994.
3. U.S. Geological Survey, Yerington Quadrangle, Nevada - Lyon County, 7.5-Minute Series (Topographic), 1986.
4. NDEP Superfund Branch, Avalos Reconnaissance site inspection, September, 1994.
5. Lyon County Assessor's Office, Yerington, Parcel map information, May 1994.
6. Huxel, C.J., Jr., "Water Resources Bulletin No. 38: Water Resources and Development in Mason Valley, Lyon and Mineral Counties, Nevada, 1948-65", prepared cooperatively by the United States of the Interior, Geological Survey, 1969.
7. NDEP Bureau of Corrective Actions, PA/SI Anaconda File.10.
8. Nevada Division of Water Resources, Well log data for the Yerington area, on and around the vicinity of the site.
9. Nevada Division of Water Resources, Water Rights Database, August 8, 1994. Prepared by Jim Farnham for NDEP.
10. Bureau of Business and Economic Research, "Geodemographic Analysis, Avalos Incorporated - Lyon County, NV," Prepared by Brian Bonnenfant for NDEP PA/SI, August 17, 1994.
11. Flood Insurance Rate Map, Lyon County, Nevada (Unincorporated Areas), Community-Panel NO. 320029 0400C B, Federal Emergency Management Agency, effective date: September 30, 1992.
12. Nevada Natural Heritage Program, "Sensitive Plant and Animal Species on or near the Avalos Project Area," Prepared by Kevin Cooper for NDEP PA/SI, August 17, 1994.

APPENDIX A

CONTACT LOG AND REPORTS

CONTACT LOG

NAME	AFFILIATION	TELEPHONE	DATE	INFORMATION
Clerk	Lyon County Assessor's office	(702) 463-3341	07/08/94	Requested ownership info./ordered parcel map.
Brian Bonnenfant	Bureau of Busi- ness & Economic Research	(702) 784-6877	08/17/94	Requested demographic data.
Jim Farnham	NV Div. of Water Resources	(702) 687-4380	08/17/94	Requested water rights database.
Kevin Cooper	NV Natural Heritage Program	(702) 687-4245	08/17/94	Requested sensitive species data.
Corey Kerns	NDEP/RCRA	(702) 687-4670	07/29/94	Requested RCRA file.

APPENDIX B

SITE RECONNAISSANCE OBSERVATIONS AND INTERVIEW REPORT

SITE RECONNAISSANCE OBSERVATIONS AND INTERVIEW REPORT

PREPARED BY: Nevada Division of Environmental Protection

OBSERVATIONS

MADE BY: Marilyn Meyer/Yann Ling

DATE: 09/13/94

FACILITY REPRESENTATIVE(S):

SITE NAME: Avalos

EPA ID#: NV0000735712

A site reconnaissance was conducted at the Avalos site on September 13, 1994. The weather was weather conditions were mostly clear and the temperature was approximately 65°F. The NDEP Superfund Branch, Marilyn Meyer and Yann Ling, conducted the site reconnaissance at 10:00 am to gather information on the site location and size, site history, processes used, and any hazardous waste generated, treated, stored, or disposed of on site. The NDEP team did not meet with the owner/operator and was not provided with any information because the site is not presently in operation. The reconnaissance included a site tour during which photographs were taken.

Owner/Operator History

Avalos was owned and operated by Hans Schnitzler from 1992 to May of 1994. Prior to 1992 operations at this site are unknown.

Site Operations

During operations between 1992-1994, Avalos manufactured large plastic sprinkler heads for irrigation systems. Chemicals used at the site included xylene, cathane, acetone, waster oil, epoxy resins, transmission fluid, lubricants, paint thinner, paint lacquers, cutting oils, and ABS resin chips. Production amounts of components are unknown.

The total amount of disturbed land is less than 1/4 acre, located behind the steel building in the eastern portion of the property. There are indications that a backhoe has done excavation or removal actions of possible the debris pile. The debris piles were not present at the time of this inspection.

The facility is fenced on the north side be chain link fence approximately 5 feet high. Access to the facility is through the main road which leads to the building, however there is no fence on the east, west or south side of the facility. A dirt road encircles the perimeter of the property.

There are presently no workers on site and the facility remains closed for business.

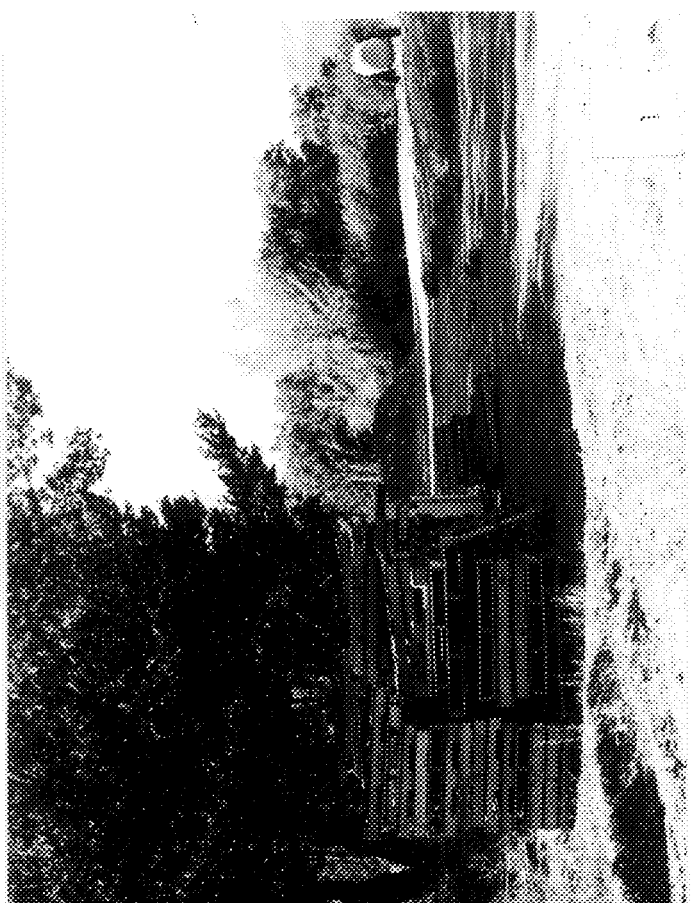
Observations Made During Site Visit

The frontage property (approximately front 9 acres) appeared to be mostly barren terrain, gently sloping to the east. A steel building, approximately 100' x 60' in size situated towards the east end of the property located approximately 75-100 feet west of the Walker River. A concrete pad approximately 60' x 60' in

size is located directly north of the steel building and has at least 3 drains placed into the concrete pad. There were many racks located on the concrete area which appeared to be used to store various boxes of plastic chips, sprinkler molds, and sprinkler components. The building was closed and no one was on site. There was easy access to all areas of the property, the only fence line is located on the entire north side separating Marathon Equipment from Avalos. The site is not paved. No visible staining of the soil or signs of hazardous substances were observed at the site.

APPENDIX C

PHOTO DOCUMENTATION



Avalos Site, Yerington, Nevada.
Excavation area in the northeast corner
of property.
September 13, 1994.

2

Avalos Site, Yerington, Nevada. Looking
south, in the back of the facility
September 13, 1994.

1

Avalos Site, Yerington, Nevada. Looking
west at the equipment racks on concrete
pad due north of the steel building.
September 13, 1994

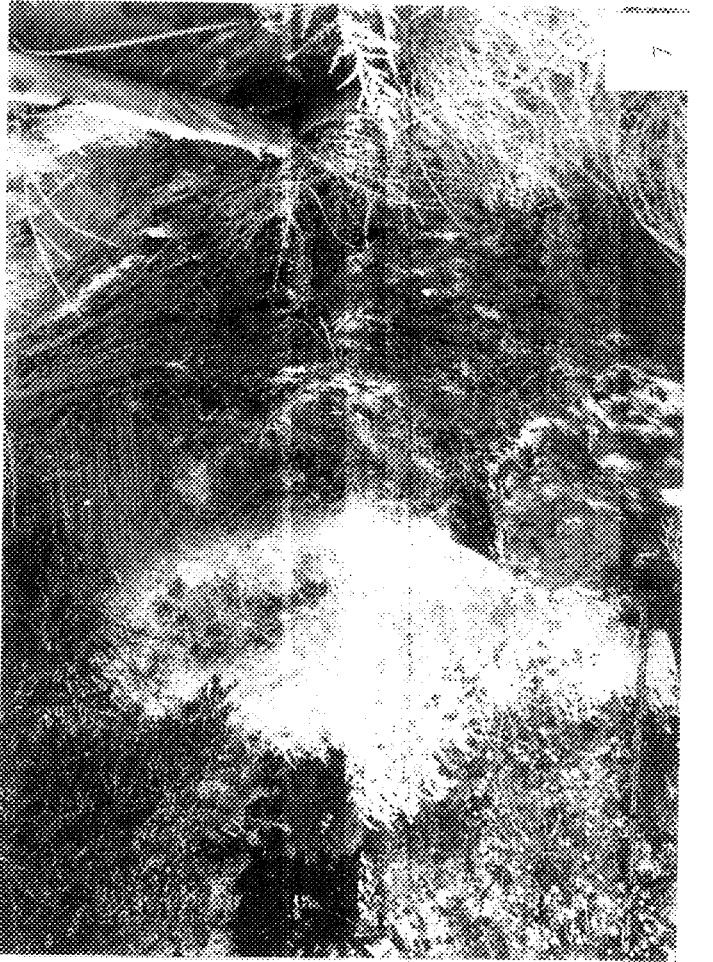
4

Avalos Site, Yerington, Nevada. Looking
west at the equipment rack on concrete
pad due north of the steel building.
September 13, 1994

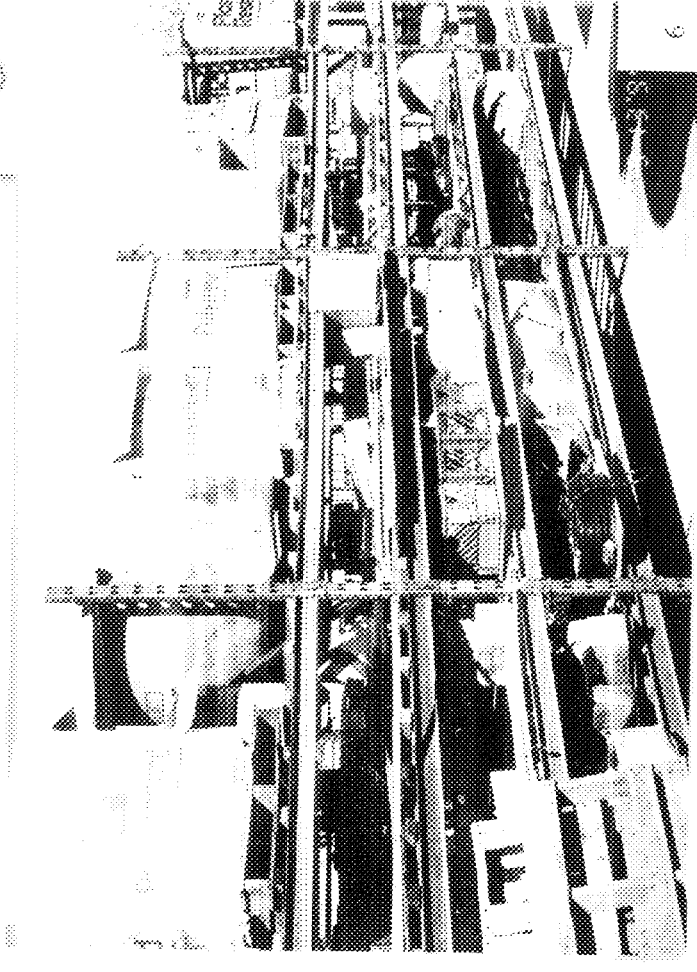
3



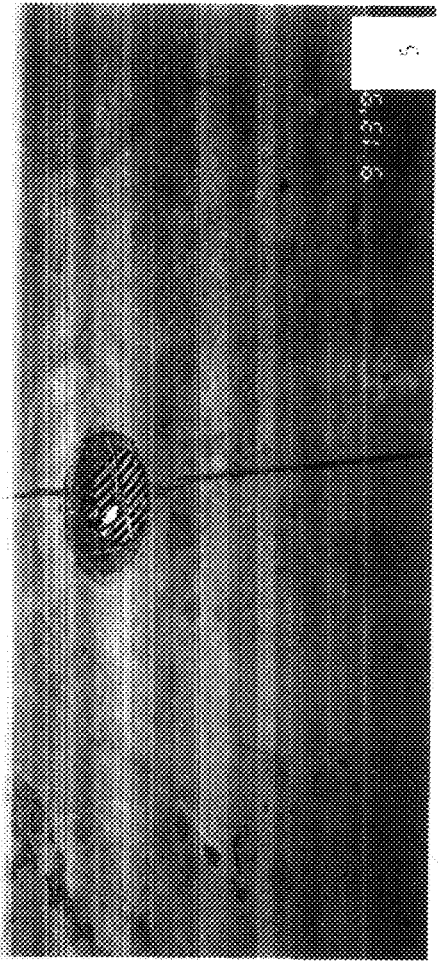
6



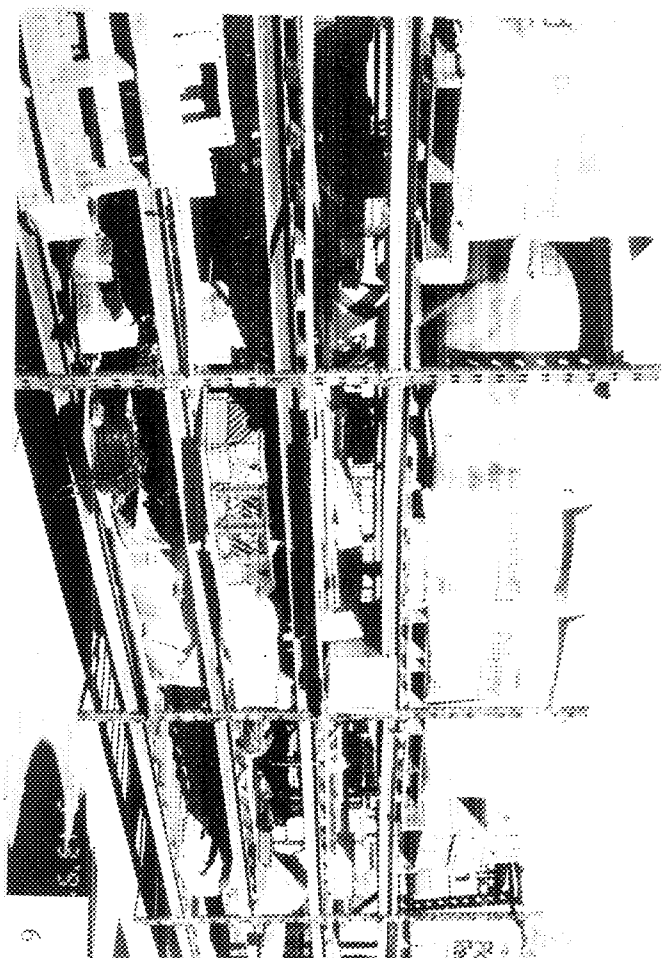
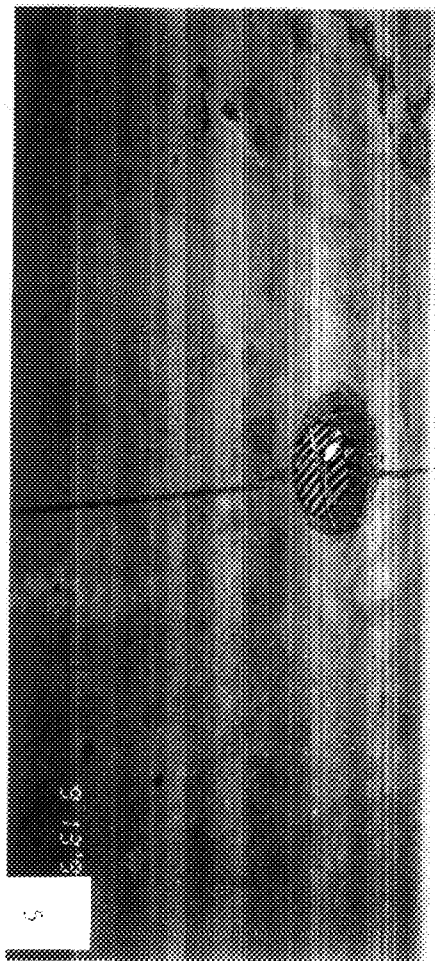
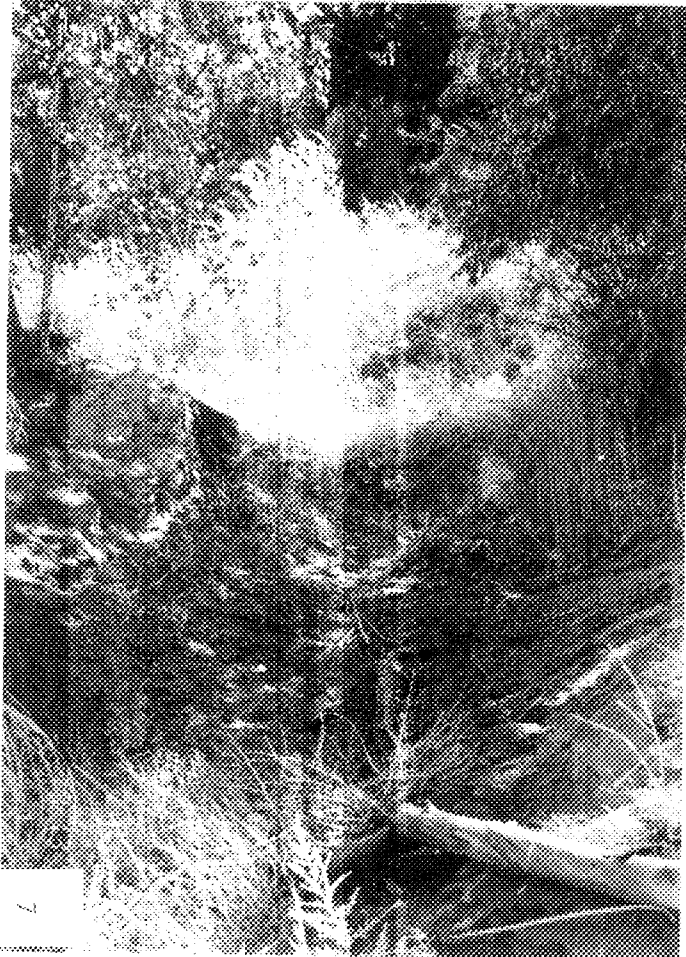
7



8



9



Avalos Site, Yerington, Nevada. Boxes of polymers on racks over the concrete pad, north of the steel building. September 13, 1994.

6

Avalos Site, Yerington, Nevada. Steel building and barren frontage property, looking east taken from near HWY 339. September 13, 1994.

8

Avalos Site, Yerington, Nevada. One of Three floor drains located within the concrete area located north of the facility September, 13, 1994.

5

Avalos Site, Yerington, Nevada. Drainage ditch located in northeast corner of property boundary. September 13, 1994

7



9



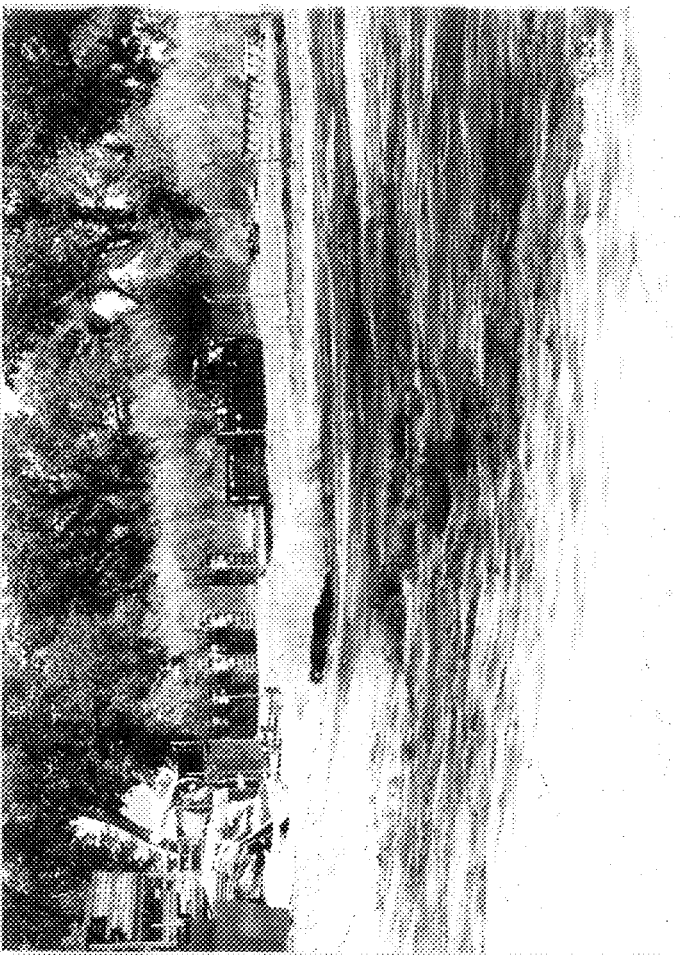
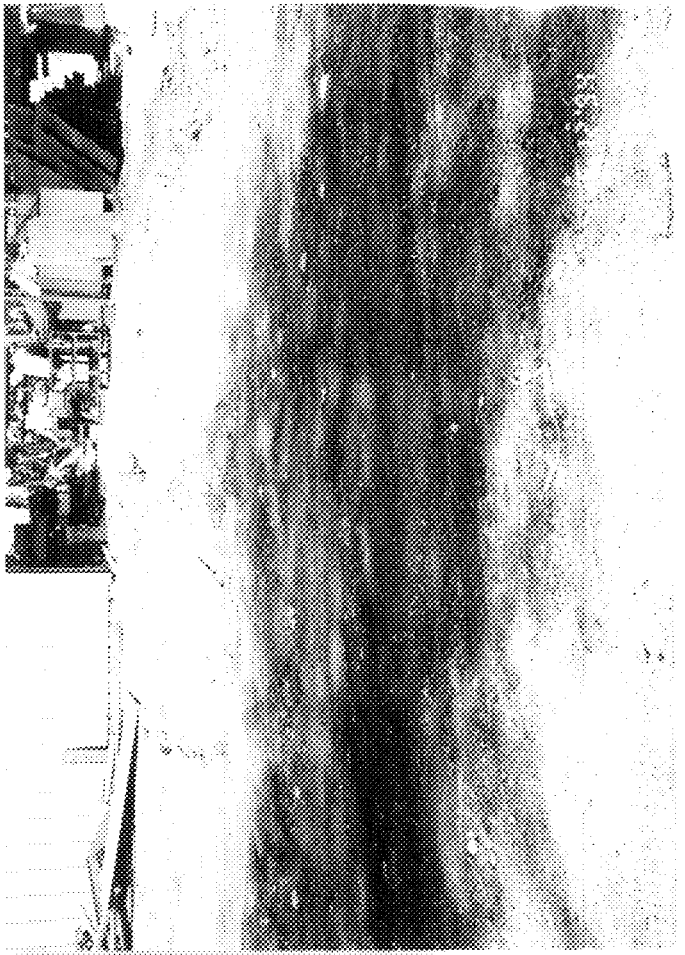
10

Avalos Site, Yerington, Nevada. Steel
building (south end) looking east,
taken from middle of 10.0 acre parcel.
September 13, 1994.

10

Avalos Site, Yerington, Nevada. Steel
building (north end) looking east, taken
from middle of 10.0 acre parcel.
September 13, 1994.

9



From same location as photo 1 using
zoom.

2

North end of ponded area showing stain-
ing and channel (center background)
Just below concrete pad.

4

East side of building looking north.
Area of ponding is in center of photo.
Walker River is beyond tree line to
to right.

1

Closer view of ponded are, still
looking north.

3



Lower right shows point of entry from
Channel into ponded area. Sample #1
Taken from just east of this point.

REF ID: A66002

6

Staining along western margin of
ponded area.

REF ID: A66002

8

7

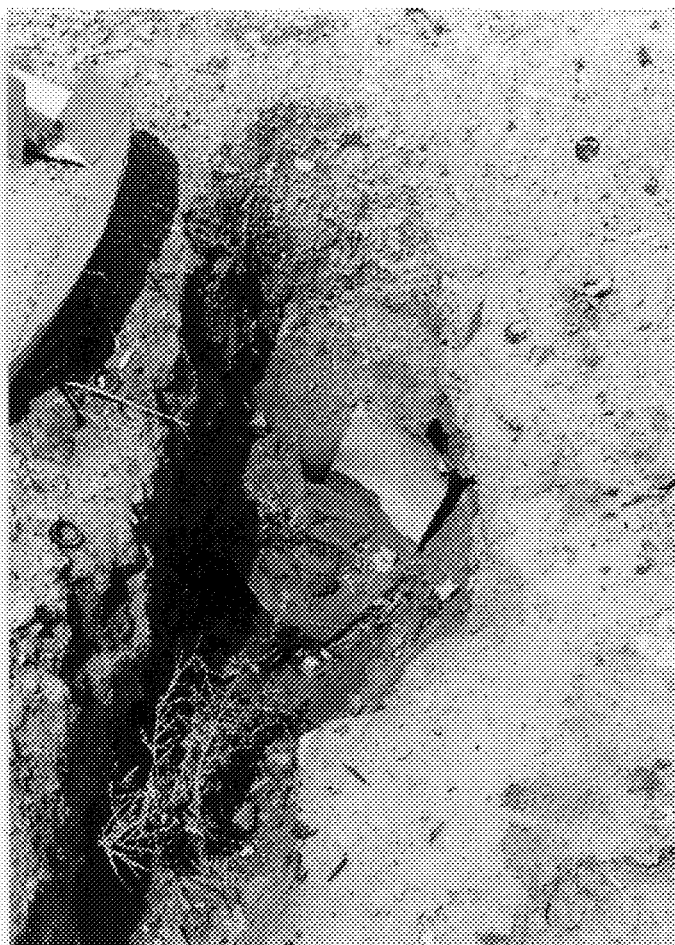
REF ID: A66002

Staining along western margin of
ponded area.

Soil staining at south end of ponded
area.

REF ID: A66002

5



Drain channel which empties into
ponded area.

SEE 17 11 14 15 16 17

9

Close up of channel showing drain in
concrete pad.

SEE 14 15 16 17 18 19

11

Closer view of channel. Note boxes
in channel.

SEE 17 11 14 15 16 17

10

Boxes removed from channel.

SEE 17 11 14 15 16 17

12



Close up of discharge pipe. Subsequent investigation revealed that drains on concrete pad lead to the pipe.

DEF 14 01 44 400

14

Removal of cardboard in photo 12 revealed PVC pipe a head of channel.

DEF 14 01 44 400

13

Sample #2 was taken at discharge point (just below pipe)

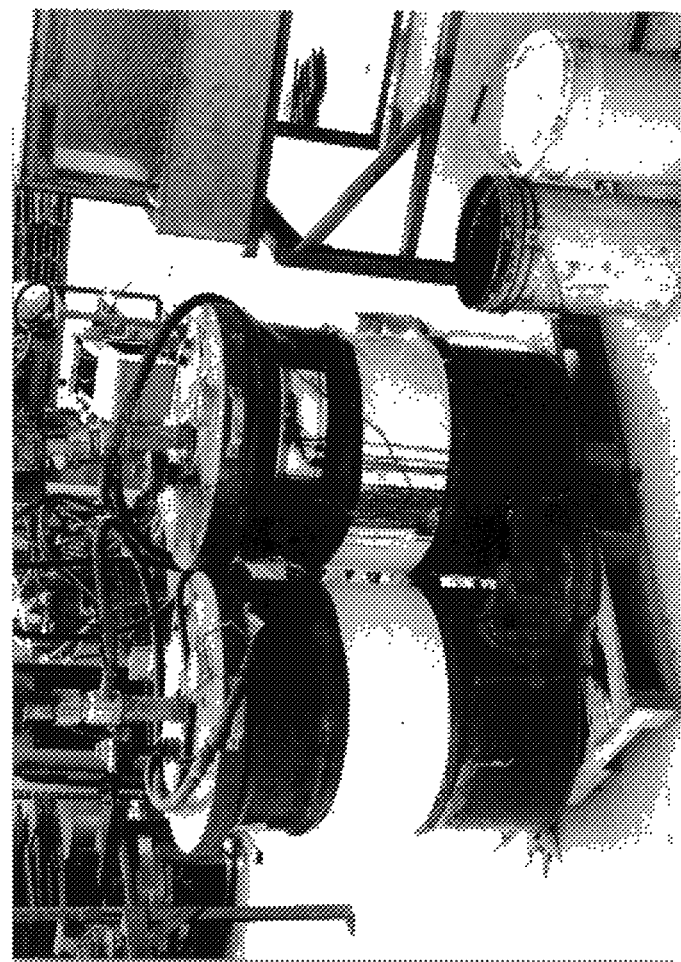
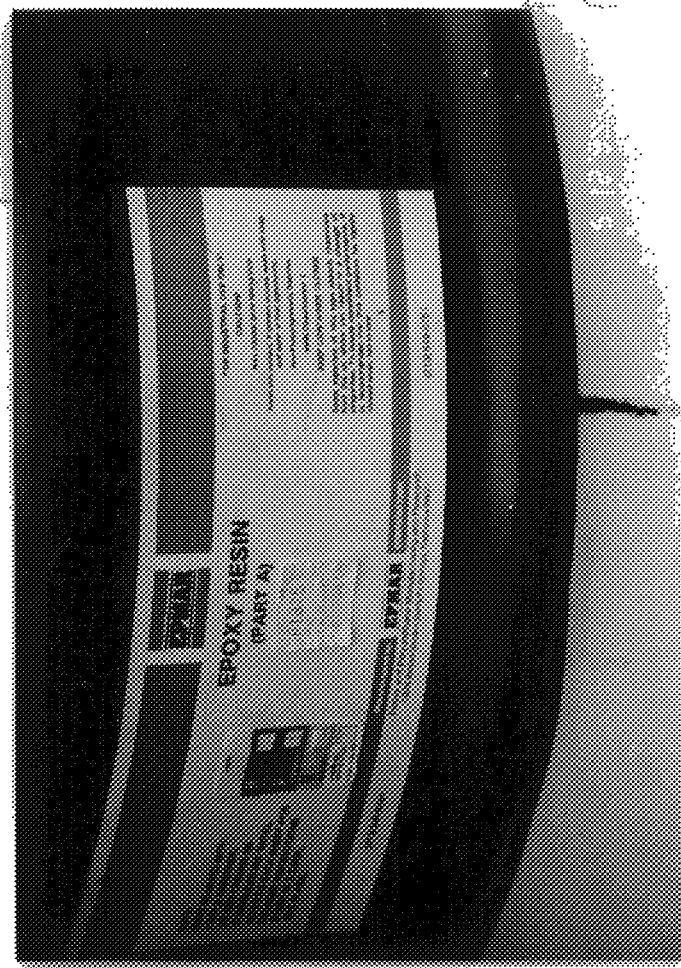
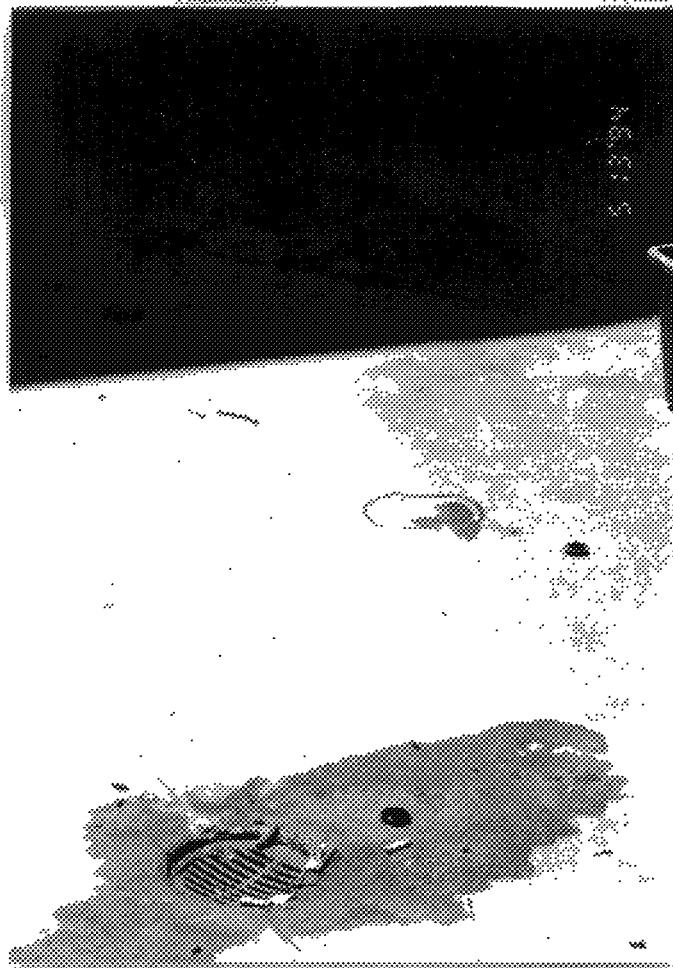
DEF 14 01 44 400

16

Board in photo was evidently placed in order to direct flow from pipe.

DEF 14 01 44 400

15



Close up of drain. Note staining in
right background (dark area around drain
is water)

DEF 14 11 44 44 44

18

Two of the drains on concrete pad which are
connected to the drain pipe.

DEF 14 11 44 44 44

17

Label on drum in photo 19.

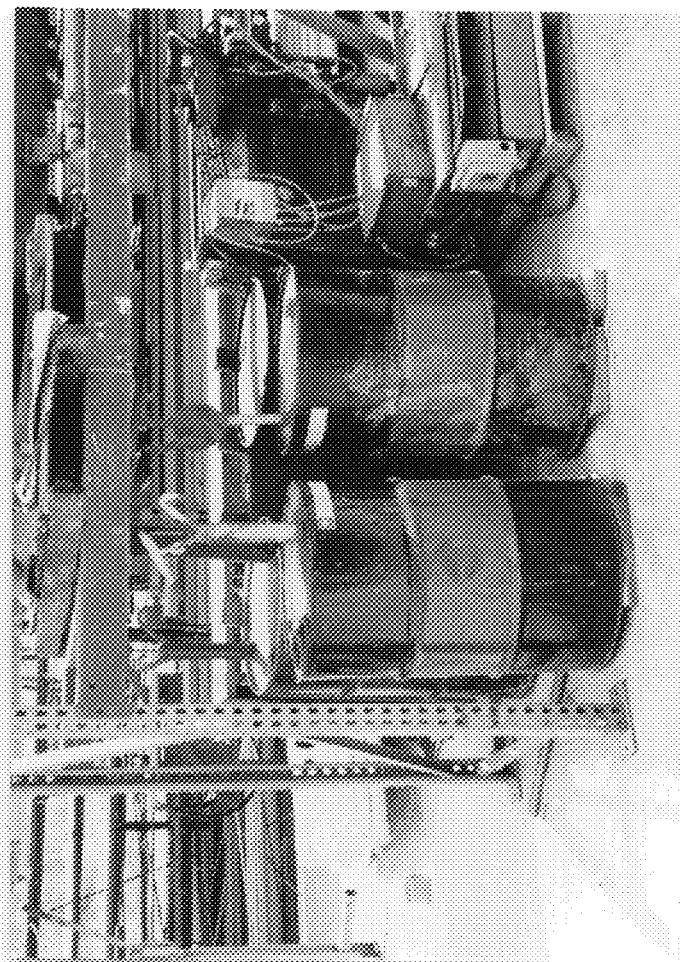
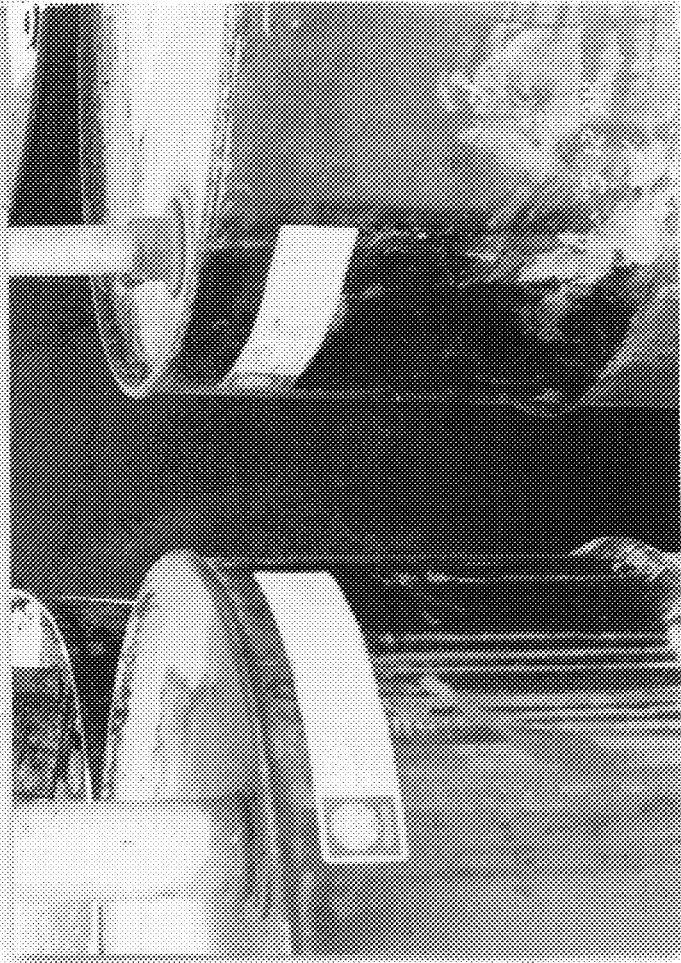
DEF 14 11 44 44 44

20

Drums contain epoxy resin A & B. See
photo 21 for discussion of bucket in
right foreground.

DEF 14 11 44 44 44

19



Boxes of ABS resin chips stored on
concrete pad.

REF ID: A66617

22

Open 5 gallon container of unidentified
oily liquid. Sample #3 was taken from
this container.

REF ID: A66617

21

Close up of oil drums.

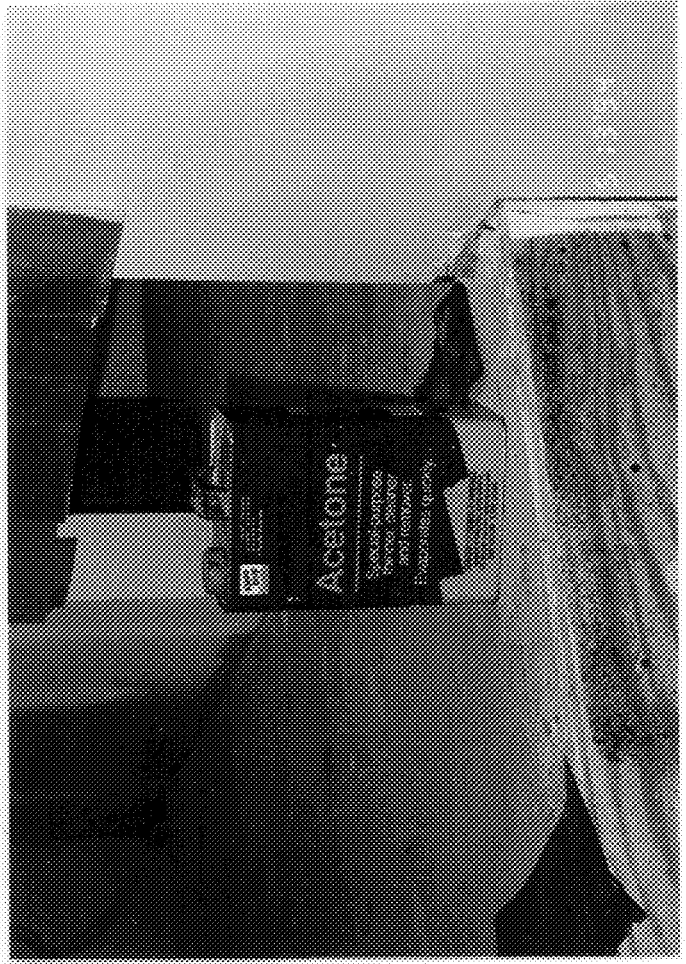
REF ID: A66617

24

Oil drums stored on concrete pad.

REF ID: A66617

23



One gallon container of calthane
polymer in repair shop.

26

One gallon container of xylene in
upstairs repair shop.

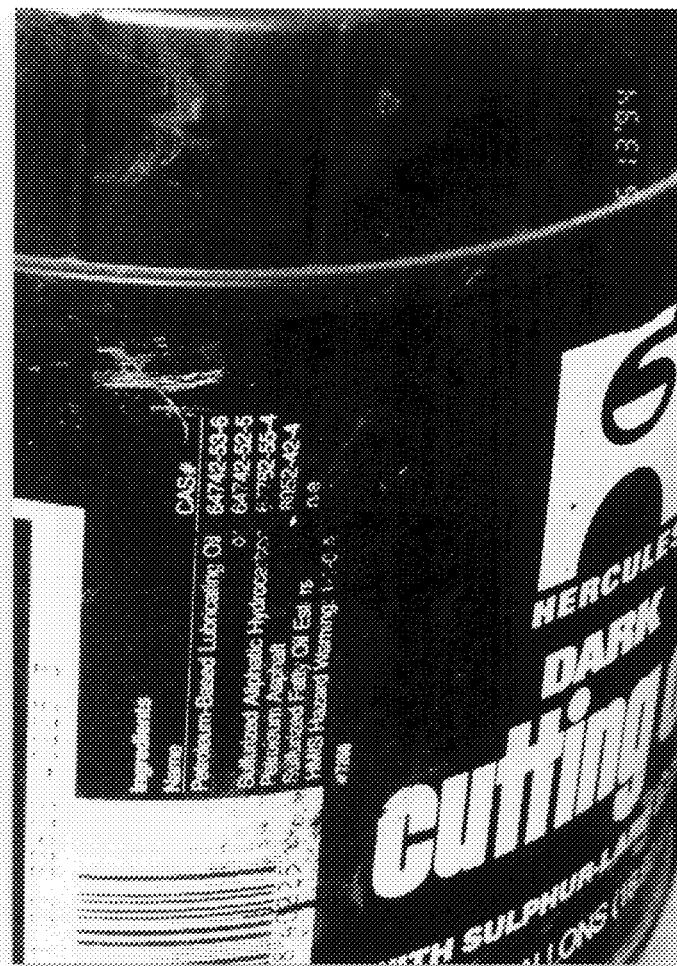
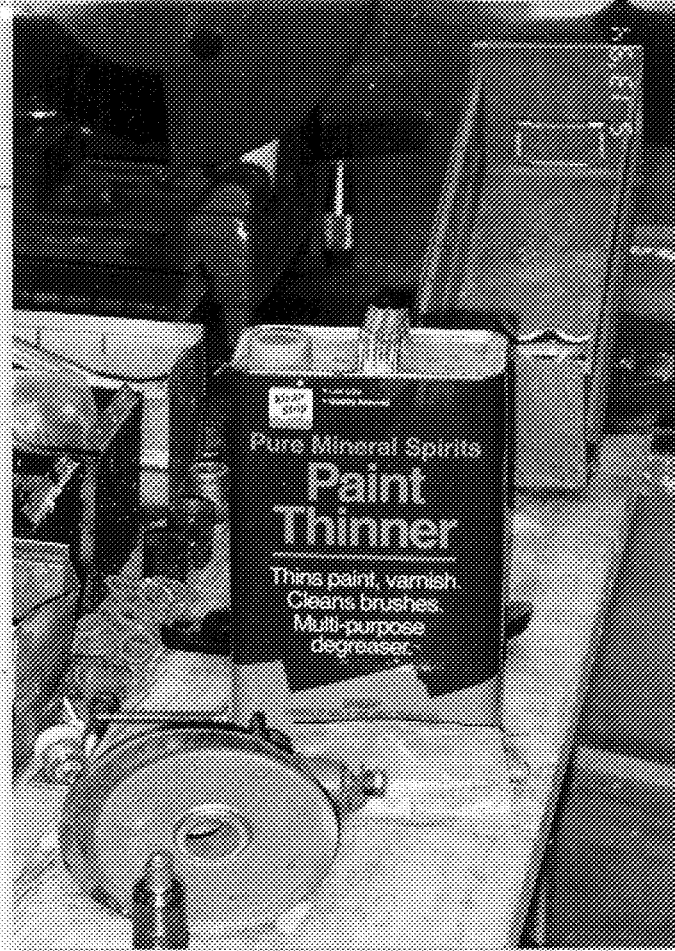
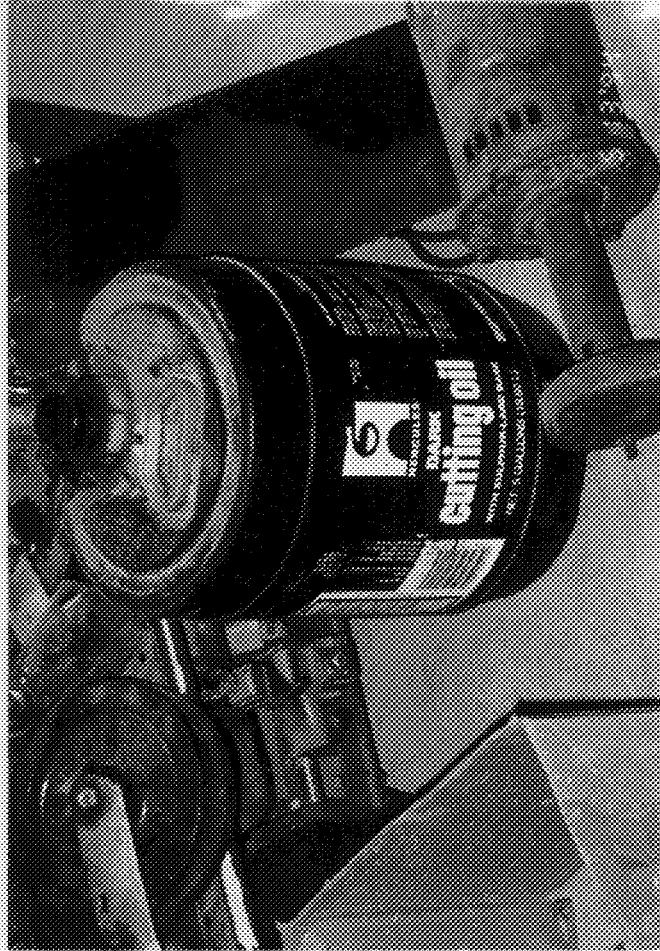
25

Chemicals in small store room on
ground floor.

28

One gallon container of Acetone at top
of stairs.

27



Cutting oil in store room.

3
4
5
6

30

More chemicals in same store room.

3
4
5
6

29

Paint thinner in large storage area (NE corner, ground floor).

4
5
6
7
8

32

Close up of cutting oil label

4
5
6
7
8

31

Brite dip in above store room.

3
5
6

34

Open container of what appears to be
cutting oil in machine shop (NW corner
ground floor).

3
5
6

36

Lubricants in store room (SE corner, ground
floor).

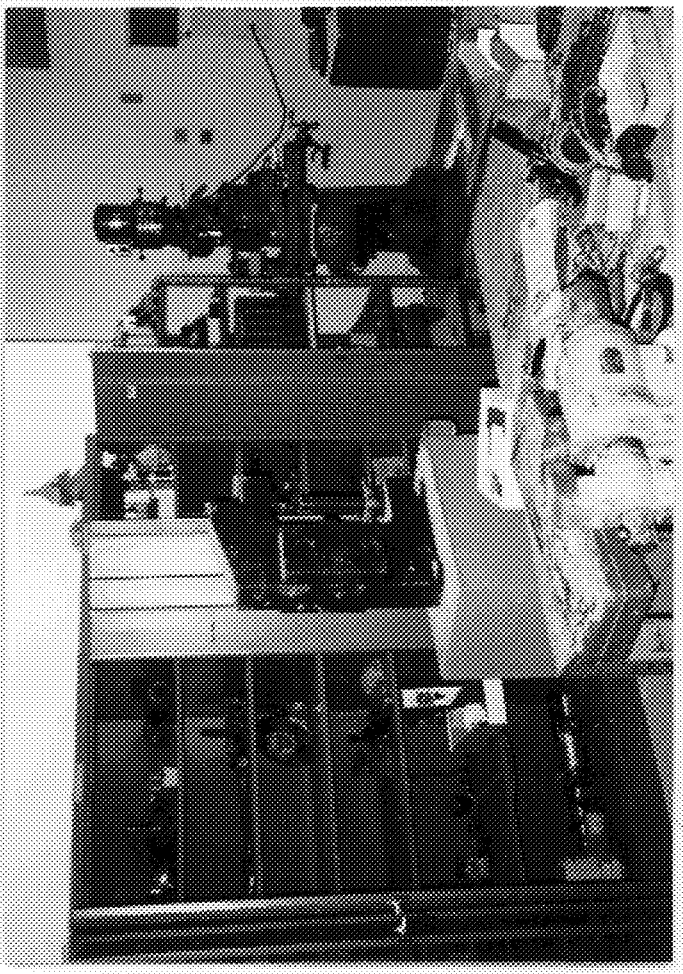
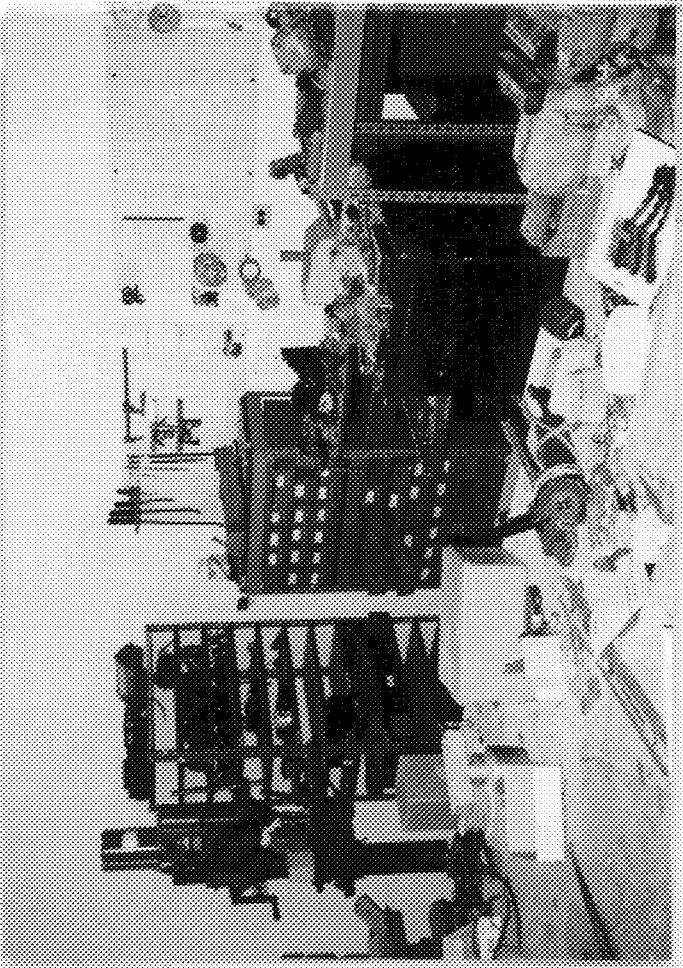
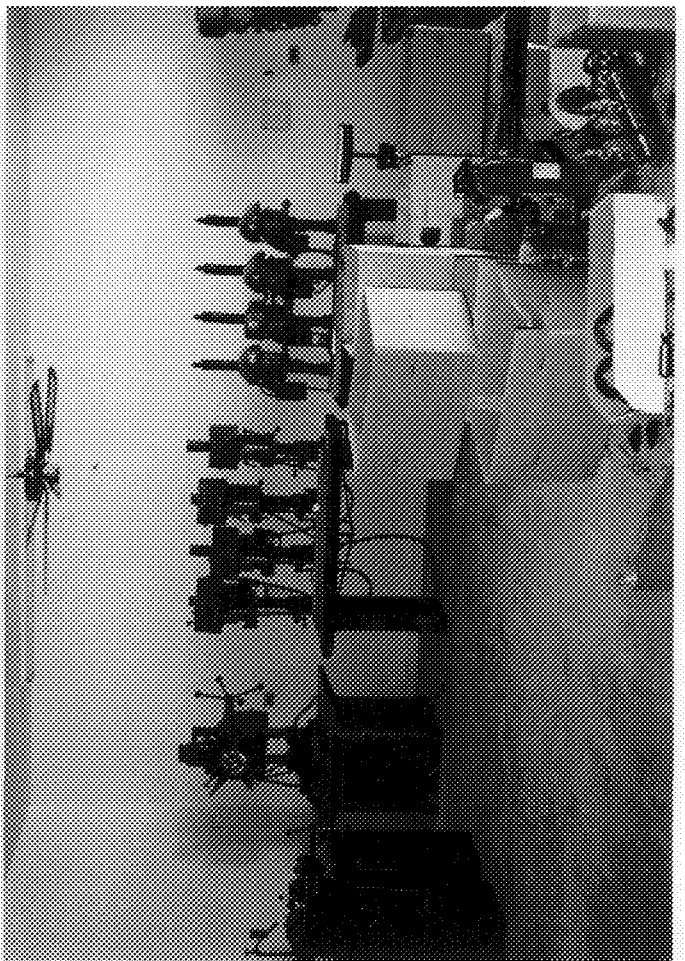
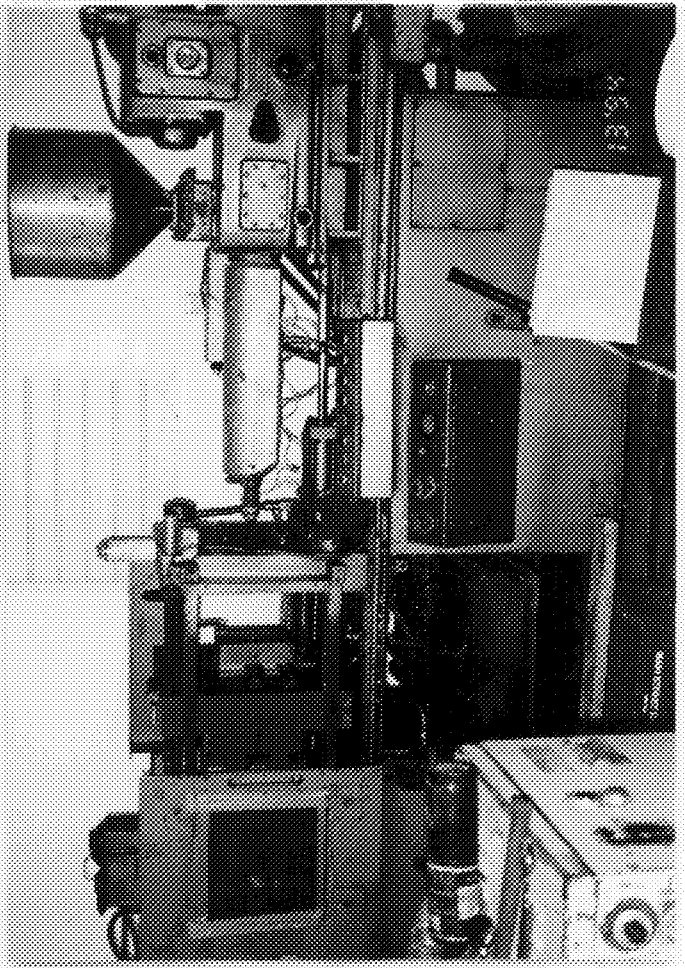
3
5
6

33

Open container of what appears to be
transmission fluid in large storage
area/shop (NW corner, ground floor).

3
5
6

35



Another view of same shop.

38

Plastic injection molding equipment in
above shop.

40

Machine shop (west central, ground floor).

37

Shop with bank of drill presses (NW
corner, ground floor.)

39



Looking slightly south at waste piles.

REF ID: A66412

42

Large waste pile containing "household type waste, construction waste, plus epoxy and oils. There is evidence that the pile has been burned in the past.

REF ID: A66412

44

View of solid waste piles at south end of building. Walker River runs behind tree line.

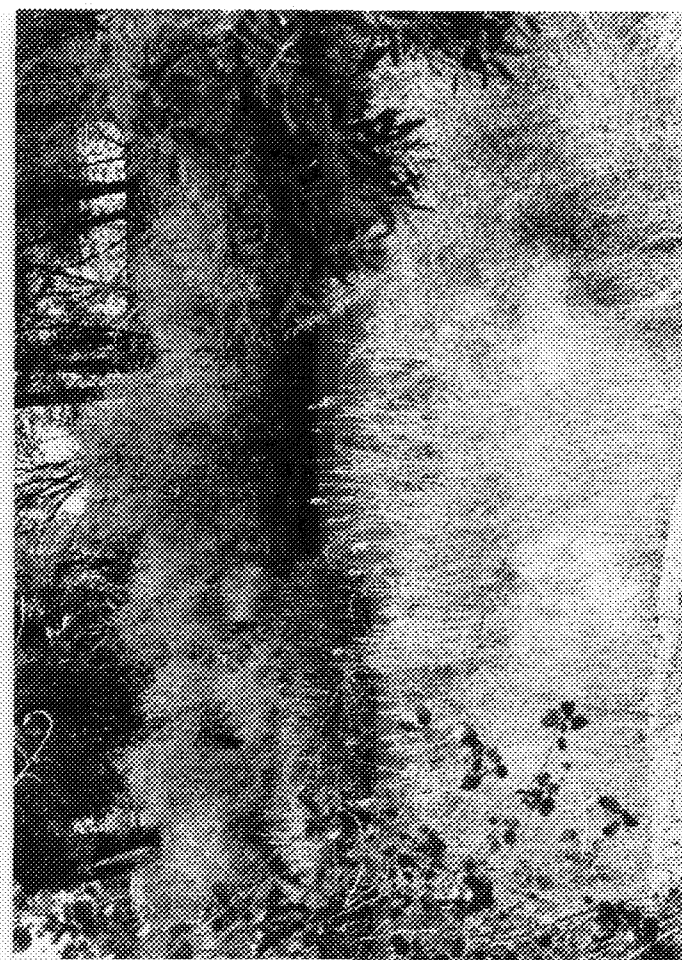
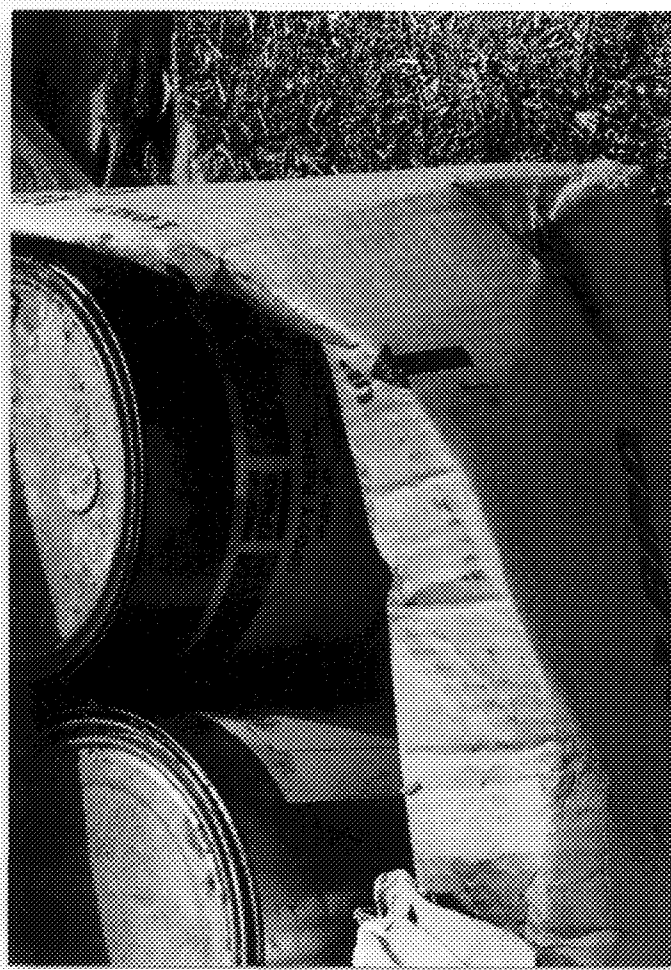
REF ID: A66412

41

Soil Staining between waste piles.

REF ID: A66412

43



Full oil cans and epoxy resin cans in
large waste pile.

3
3

46

Standing at same spot, looking southwest
to building. Poned area is behind
pallets at base of slope.

DEC 17 11 44 1-2-1

48

Close up of epoxy resin (full cans) in
large waste pile.

3
3

45

Standing at northeast corner of property
looking east.

DEC 17 11 44 1-2-1

47

AVALOS IRRIGATION
PHOTO LOG

1. East side of building looking north. Area of ponding is in center of photo. Walker river is beyond tree line to right.
2. From same location as photo 1, using zoom.
3. Closer view of ponded area, still looking north.
4. North end of ponded area showing staining and channel (center background) just below concrete pad.
5. Soil staining a south end of ponded area.
6. Lower right shows point of entry from channel into ponded area. Sample #1 was taken just to the east of this point.
7. Staining along western margin of ponded area.
8. Staining along western margin of ponded area.
9. Drain channel which empties into ponded area.
10. Closer view of channel. Note boxes in channel.
11. Close-up of Channel showing drain in concrete pad.
12. Boxes removed from channel.
13. Removal of cardboard in photo 12 revealed PVC pipe at head of channel.
14. Close-up of discharge pipe. Subsequent investigation revealed that drains on concrete pad lead to the pipe.
15. Board in photo was evidently placed to direct flow from pipe.
16. Sample #2 was taken at discharge point (just below pipe).
17. Two of the drains on concrete pad which are connected to the drain pipe.
18. Close-up of drain. Note staining in right background (dark area around drain is water).
19. Drums contain epoxy resin, parts A & B. See photo 21 for discussion of bucket in right foreground.
20. Label on drum in photo 19.
21. Open 5 gallon container of unidentified oily liquid. Sample #3 was taken from this container.

AVALOS IRRIGATION
PHOTO LOG
Page 2

22. Boxes of ABS resin chips stored on concrete pad.
23. Oil drums stored on concrete pad.
24. Close-up of oil drums.
25. One gallon container of xylene in upstairs repair shop.
26. One gallon container of Calthane polymer in repair shop.
27. One gallon container of Acetone at top of stairs.
28. Chemicals in small store room on ground floor.
29. More chemicals in same store room.
30. Cutting oil in store room.
31. Close-up of cutting oil label.
32. Paint thinner in large storage area (NE corner, ground floor).
33. Lubricants in store room (SE corner, ground floor).
34. Brite dip in above store room.
35. Open container of what appears to be transmission fluid in large storage area/shop (SE corner, ground floor).
36. Open container of what appears to be cutting oil in machine shop (NW corner, ground floor).
37. Machine shop (west-central, ground floor).
38. Another view of same shop.
39. Shop with bank of drill presses (NW corner, ground floor).
40. Plastic injection molding equipment in above shop.
41. View of solid waste piles at south end of building. Walker river runs behind tree line.
42. Looking slightly south of waste piles.
43. Soil staining between waste piles.
44. Large waste pile containing "household type wastes, construction wastes, plus epoxy and oils. There is evidence that the pile has been burned in the past.

AVALOS IRRIGATION

PHOTO LOG

Page 3

45. Close-up of epoxy resin (full cans) in large waste pile.
46. Full oil cans and epoxy resin cans in large waste pile.
47. Standing at northeast corner of property looking east.
48. Standing at same spot, looking southwest to building. Ponded area is behind pallets at base of slope.

PHOTO DOCUMENTATION - AVALOS SITE, YERINGTON

September 13, 1994

1. Avalos Site, Yerington, Nevada. Looking south, in the back of the facility.
2. Avalos Site, Yerington, Nevada. Excavation area in the northeast corner of property.
3. Avalos Site, Yerington, Nevada. Looking west at the equipment racks on concrete pad due north of the steel building.
4. Avalos Site, Yerington, Nevada. Looking west at the equipment racks on concrete pad due north of the steel building.
5. Avalos Site, Yerington, Nevada. One of three floor drains located within the concrete area located north of facility.
6. Avalos Site, Yerington, Nevada. Boxes of polymers on racks over the concrete pad, north of the steel building.
7. Avalos Site, Yerington, Nevada. Drainage ditch located in northeast corner of property boundary.
8. Avalos Site, Yerington, Nevada. Steel building and barren frontage property, looking east taken from near HWY 339.
9. Avalos Site, Yerington, Nevada. Steel building (north end) looking east, taken from middle of 10.0 acre parcel.
10. Avalos Site, Yerington, Nevada. Steel building (south end) looking east, taken from middle of 10.0 acre parcel.

APPENDIX D

LATITUDE/LONGITUDE WORKSHEET

LATITUDE AND LONGITUDE CALCULATION WORKSHEET #2
LI USING ENGINEER'S SCALE (1:60)
NDEP PA/SI

SITE: Avalos Incorporated CERCLIS #: NV0000735712

AKA: _____ SSID: _____

ADDRESS: 136 HWY 339

CITY: Yerington STATE: Nevada ZIP CODE: 89447

SITE REFERENCE POINT: HWY 339 and NW corner of property line.

USGS QUAD MAP NAME: Yerington TOWNSHIP: 13 N/S RANGE: 25 E/W

SCALE: 1:24,000 MAP DATE: 1986 SECTION: 21 SE Q² NE Q²

MAP DATUM: 1927 1983 (CIRCLE ONE) MERIDIAN: MT. Diablo Baseline & Meri.

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 7.5' MAP (attach photocopy):

LONGITUDE: 119° 07' 30" LATITUDE: 38° 52' 30"

COORDINATES FROM LOWER RIGHT (SOUTHEAST) CORNER OF 2.5' GRID CELL:

LONGITUDE: 119° 10' 00" LATITUDE: 38° 57' 30"

CALCULATIONS: LATITUDE (7.5' QUADRANGLE MAP) 2.5' = 454 RULER DIVISIONS

A) NUMBER OF RULER GRADUATIONS FROM LATITUDE GRID LINE TO SITE REF POINT: 195

B) MULTIPLY (A) BY 0.3304 (150/454) TO CONVERT SECONDS: $A \times 0.3304 = \underline{64.43''}$

C) EXPRESS IN MINUTES AND SECONDS (1' = 60"): 1' 4.43"

D) ADD TO STARTING LATITUDE: 38° 57' 30.00" + 1' 4.43" =

SITE LATITUDE: 38° 58' 34.43"

CALCULATIONS: LONGITUDE (7.5' QUADRANGLE MAP) 2.5' = 356 RULER DIVISIONS

A) NUMBER OF RULER GRADUATIONS FROM RIGHT LONGITUDE LINE TO SITE REF POINT: 150

B) MULTIPLY (A) BY 0.4213 (150/356) TO CONVERT TO SECONDS: $A \times 0.4213 = \underline{63.20''}$

C) EXPRESS IN MINUTES AND SECONDS (1' = 60"): 1' 3.20"

D) ADD TO STARTING LONGITUDE: 119° 10' 00.00" + 1' 3.20" =

SITE LONGITUDE: 119° 11' 03.20"

INVESTIGATOR: Marilyn Meyer DATE: 09/21/94

APPENDIX E

PA FORM

**EPA Potential Hazardous Waste Site
Preliminary Assessment Form**

Identification

State: NV CERCLIS Number: NV0000735712
CERCLIS Discover Date: September 19, 1994

1. General Site Information

Name: <u>Avalos Incorporated</u>		Street: <u>136 HWY 339</u>	
City: <u>Yerington</u>	State: <u>NV</u>	Zip Code: <u>89447</u>	County: <u>Lyon</u>
Latitude: <u>38°58'34.43"N</u>	Approximate Area of Site: <u>10.0</u> Acres	Status of Site: <input type="checkbox"/> Active <input type="checkbox"/> NA <input checked="" type="checkbox"/> Inactive <input type="checkbox"/> Not Specified	County Code: <u>510</u>
Longitude: <u>119°11'03.20"W</u>	<u> </u> Square Ft.		Cong. Dist.: <u>NV-02</u>

2. Owner/Operator Information

Owner: <u>Andrea Avalos</u>		Operator: <u>Hans Schnitzer</u>			
Street: <u>136 HWY 339</u>		Street: <u>Same</u>			
City: <u>Yerington</u>		City: <u>Same</u>			
State: <u>NV</u>	Zip Code: <u>89447</u>	Telephone:	State: <u>Same</u>	Zip Code: <u>Same</u>	Telephone:
Type of Ownership			How Initially Identified		
<input checked="" type="checkbox"/> Private <input type="checkbox"/> Municipal <input type="checkbox"/> Federal Agency <input type="checkbox"/> Not Specified <input type="checkbox"/> State <input type="checkbox"/> Other <input type="checkbox"/> Indian <input type="checkbox"/> County			<input checked="" type="checkbox"/> Citizen Complaint <input type="checkbox"/> Federal Program <input type="checkbox"/> PA Petition <input type="checkbox"/> Incidental <input type="checkbox"/> State/Local Program <input type="checkbox"/> Not Specified <input type="checkbox"/> RCRA/CERCLA Notification <input type="checkbox"/> Other		

3. Site Evaluator Information

Evaluator: <u>Marilyn Meyer</u>	Agency/Organization: <u>NV Division of Environmental Protection</u>	Date Prepared: <u>Sept. 20, 1994</u>
Street: <u>333 W. Nye Lane</u>		City: <u>Carson City</u> State: <u>NV</u>
Name of EPA or State Agency Contact: <u>Jeffrey Inglis</u>		Street: <u>75 Hawthorne Street</u>
City: <u>San Francisco</u>	State: <u>CA</u>	Telephone: <u>(415) 744-2347</u>

4. Site Disposition (for EPA use Only)

Emergency Response/Removal Assessment Recommendations <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Date:	CERCLIS Recommendations: <input type="checkbox"/> Higher Priority SI <input type="checkbox"/> Lower Priority SI <input type="checkbox"/> NFRAP <input type="checkbox"/> RCRA <input type="checkbox"/> Other <input type="checkbox"/> Date:	Signature: Names (typed): Position:
---	--	---

Potential Hazardous Waste Site
Preliminary Assessment Form - Page 2 of 4

CERCLIS Number:
NV0000735712

5. General Site Characteristics

Predominant Land Uses Within 1 Mile of Site (Check all that apply):

- ☒ Industrial ☐ Forest/Fields ☐ DOD ☐ Other Federal acility
☐ Commercial ☐ Agriculture ☐ DOE
☒ Residential ☐ Mining ☐ DOI ☐ Other

Site Setting:

- ☐ Urban
☐ Suburban
☒ Rural

Years of Operation:

Beginning Year 1992
Ending Year 1994
☐ Unknown

Type of Site Operations (Check all that apply):

- ☒ Manufacturing ☐ Retail
☐ Lumber and Wood Products ☐ Recycling
☐ Inorganic Chemicals ☐ Junk/Salvage Yard
☒ Plastic and/or Rubber Products ☐ Municipal Landfill
☐ Paints, Varnishes ☐ Other Landfill
☐ Industrial Organic Chemicals ☐ DOD
☐ Agricultural Chemicals ☐ DOE
(e.g., pesticides, fertilizers) ☐ DOI
☐ Miscellaneous Chemical Products ☐ Other Fed. Fac.
(e.g., adhesives, explosives, ink) ☐ RCRA
☐ Primary Metals ☐ Treatment, Storage, or Disposal
☐ Metal Coating, Plating, Engraving ☐ Large Quantity Generator
☐ Metal Forging, Stamping ☐ Small Quantity Generator
☐ Fabricated Structural Metal Prod. ☐ Subtitle D
☐ Electronic Equipment ☐ Municipal
☐ Other Manufacturing ☐ Industrial
☐ "Converter"
☐ Mining ☐ "Protective Filer"
☐ Metals ☐ "Non- or Late Filer"
☐ Coal ☐ Not Specified
☐ Oil and Gas ☐ Other
☐ Non-metallic Minerals

Waste Generated:

- ☒ Onsite
☐ Offsite
☐ Onsite and Offsite

Waste Deposition Authorized by:

- ☐ Present Owner
☐ Former Owner
☐ Present & Former Owner
☐ Unauthorized
☒ Unknown

Waste Accessible to the Public:

- ☒ Yes
☐ No

Distance to Nearest Dwelling, School, or Workplace:

750.00 Feet

6. Waste Characteristics Information

Source Type:

(Check all that apply)

Source Waste Quantity

(include Units)

- ☐ Landfill
☒ Surface Impoundment 3,000 sq.ft. A
☐ Drums _____ V
☐ Tanks & non-Drum Containers _____ _____
☐ Chemical Waste Pile _____ _____
☐ Scrap Metal or Junk Pile _____ _____
☐ Tailings Pile _____ _____
☒ Trash Pile (open dump) 462.96 ft³ V
☐ Land Treatment _____ _____
☒ Contaminated Ground Water Plume
(unidentified source) _____ _____
☐ Contaminated Surface Water/Sediment
(unidentified source) _____ _____
☐ Contaminated Soil 10.0 Acres A
☐ Other: _____
☐ No Sources

*C=Constituents, W=Wastestream, V=Volume, A=Area

General Types of Waste(check all that apply):

- ☐ Metals
☒ Organics
☐ Inorganics
☒ Solvents
☒ Paints/Pigments
☐ Laboratory/Hospital Waste
☐ Radioactive Waste
☒ Oily Waste
☐ Pesticides/Herbicides
☐ Acids/Bases
☐ Construction/Demolition Waste
☒ Municipal Waste
☐ Mining Waste
☐ Explosives
☐ Other

Physical State of Wastes as Deposited (check all that apply):

- ☒ Solid ☐ Sludge ☐ Powder
☒ Liquid ☐ Gas

Potential Hazardous Waste Site
Preliminary Assessment Form - Page 3 of 4

CERCLIS Number:
ND0000735712

7. Ground Water Pathway

Is Ground Water Used for Drinking Water Within 4 Miles: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Is There a Suspected Release To Ground Water: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	List Secondary Target Population Served by Ground Water Withdrawn From: 0 - ¼ Mile <u>7</u> >¼ - ½ Mile <u>7</u> >½ - 1 Mile <u>374</u> >1 - 2 Miles <u>3,017</u> >2 - 3 Miles <u>621</u> >3 - 4 Miles <u>103</u> Total Within 4 Miles <u>4,129</u>
Type of Drinking Water Wells Within 4 Miles (Check all that apply): <input checked="" type="checkbox"/> Municipal <input checked="" type="checkbox"/> Private <input type="checkbox"/> None	Have Primary Target Drinking Water Wells Been Identified: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No If Yes, Enter Primary Target Population: <u>4,219</u> People	
Depth to Shallowest Aquifer: <u>50-60.0</u> Feet	Nearest Designated Wellhead Protection Area: <input type="checkbox"/> 0 - 1/4 Mile <input type="checkbox"/> >1/4 - 4 Miles <input checked="" type="checkbox"/> None Within 4 Miles	
Karst Terrain/Aquifer Present: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

8. Surface Water Pathway

Type of Surface Water Draining Site and 15 Miles Downstream (Check all that apply): <input type="checkbox"/> Stream <input checked="" type="checkbox"/> River <input type="checkbox"/> Pond <input type="checkbox"/> Lake <input type="checkbox"/> Bay <input type="checkbox"/> Ocean <input type="checkbox"/> Other _____	Shortest Overland Distance From Any Source to Surface Water: <u>75-100</u> Feet _____ Miles																								
Is There a Suspected Release to Surface Water: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Site is Located in: <input type="checkbox"/> Annual - 10 yr Floodplain <input type="checkbox"/> >10 yr - 100 yr Floodplain <input type="checkbox"/> >100 yr - 500 yr Floodplain <input checked="" type="checkbox"/> >500 yr Floodplain																								
Drinking Water Intakes Located Along the Surface Water Migration Path: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Have Primary Target Drinking Water Intakes Been Identified: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No If Yes, Enter Population Served by Primary Target Intakes: <u>0</u> People	List All Secondary Target Drinking Water Intakes: <table border="1"><thead><tr><th>Name</th><th>Water Body</th><th>Flow(cfs)</th><th>Pop. Served</th></tr></thead><tbody><tr><td></td><td><u>Walker River</u></td><td><u>175.0</u></td><td><u>0</u></td></tr><tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td><td>_____</td><td>_____</td></tr><tr><td colspan="4">Total Within 15 Miles <u>0</u></td></tr></tbody></table>	Name	Water Body	Flow(cfs)	Pop. Served		<u>Walker River</u>	<u>175.0</u>	<u>0</u>	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	_____	Total Within 15 Miles <u>0</u>			
Name	Water Body	Flow(cfs)	Pop. Served																						
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_____	_____	_____	_____																						
_____	_____	_____	_____																						
_____	_____	_____	_____																						
Total Within 15 Miles <u>0</u>																									
Fisheries Located Along the Surface Water Migration Path: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Have Primary Target Fisheries Been Identified: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	List All Secondary Target Fisheries: <table border="1"><thead><tr><th>Waterbody/Fishery Name</th><th>Flow(cfs)</th></tr></thead><tbody><tr><td><u>Walker River</u></td><td><u>175.0</u></td></tr><tr><td>_____</td><td>_____</td></tr><tr><td>_____</td><td>_____</td></tr></tbody></table>	Waterbody/Fishery Name	Flow(cfs)	<u>Walker River</u>	<u>175.0</u>	_____	_____	_____	_____																
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_____	_____																								
_____	_____																								

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8. Surface Water Pathway (continued)

Wetlands Located Along the Surface Water Migration Path:

☐ Yes
☒ No

Have Primary Target Wetlands Been Identified:

☐ Yes
☒ No

List Secondary Target Wetlands:

Water Body	Flow (cfs)	Frontage Miles
N/A		

Other Sensitive Environments Located Along the Surface Water Migration Path:

☐ Yes
☒ No

Have Primary Sensitive Environments Been Identified:

☐ Yes
☒ No

List Secondary Target Sensitive Environments:

Water Body	Flow (cfs)	Sensitive Environment Type
N/A		

9. Soil Exposure Pathway

Are People Occupying or Attending School or Day Care on or Within 200 Feet of Areas of Known or Suspected Contamination:

☐ Yes
☒ No

If Yes, Enter Total Resident Population:

0 People

Number of Workers Onsite:

☒ None
☐ 1 - 100
☐ 101 - 1,000
☐ > 1,000

Have Terrestrial Sensitive Environments Been Identified on or Within 200 Feet of the Site:

☐ Yes
☒ No

If Yes, List Each Terrestrial Sensitive Environment

10. Air Pathway

Is There a Suspected Release to Air:

☐ Yes
☒ No

Enter Total Population on or Within:

Onsite 0

0 - ¼ Mile 5

> ¼ - ½ Mile 7

> ½ - 1 Mile 697

> 1 - 2 Miles 2,878

> 2 - 3 Miles 305

> 3 - 4 Miles 294

Total Within 4 miles 4,186

Wetlands Located Within 4 Miles of the Site:

☐ Yes
☒ No

Other Sensitive Environments Located Within 4 Miles of the Site:

☐ Yes
☒ No

List All Sensitive Environments Within ¼ Mile of the Site:

Distance	Sensitive Environmental Type/Wetlands Area (acres)
Onsite	<u>N/A</u>
0 - ¼ Mile	<u>N/A</u>
> ¼ Mile - ½ Mile	<u>N/A</u>